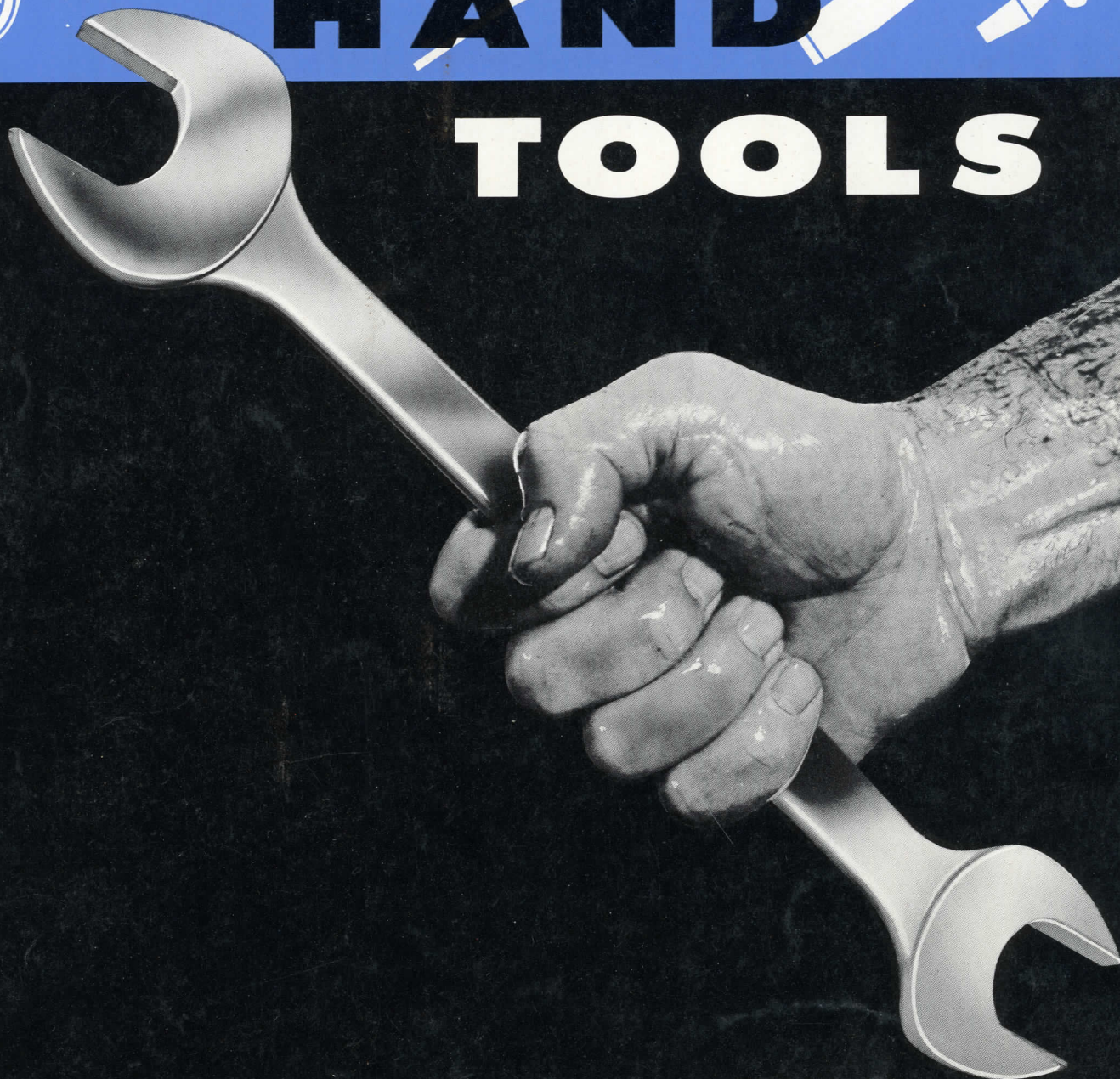




# HAND TOOLS



DISTRIBUTED BY

© 1959

**OWATONNA TOOL COMPANY**  
OWATONNA, MINNESOTA, U. S. A.





## MECHANIC'S TOOL CHESTS

- Seven most wanted sizes
- Sparkling baked enamel finish
- Large lift-out tote-trays
- Full length formed drawer handles
- Compound, easy acting slides on drawers



### DELUXE MECHANIC'S CHESTS

All chests measure 12" x 14½" x 26" with a tote-tray 1½" x 7¾" x 18¾". Chests fit on top of B-63 and B-65 cabinets.

**No. B-48**—An eight drawer chest with tote-tray, six small drawers 2" x 11" x 7" and two large drawers, one 2" x 11" x 23" the other 2½" x 11" x 23". Wt. 61 lbs.

**No. B-45**—A five drawer chest with tote-tray, three small drawers 2" x 11" x 7" and two large drawers 3½" x 11" x 23". Wt. 55 lbs.

**No. B-43**—A three drawer chest with tote-tray and three large drawers, one 2" x 11" x 23" the other two 3½" x 11" x 23". Wt. 51 lbs.

### SUPER MECHANIC'S CHESTS

All chests measure 10" x 10½" x 22½" with a tote-tray 2" x 7¾" x 18¾". Heavy-duty construction for long life.

**No. B-33**—A three drawer chest with tote-tray and three large drawers 1¾" x 8¾" x 20". Wt. 34 lbs.

**No. B-32**—A two drawer chest with tote-tray and two large drawers, one 2½" x 8¾" x 20" the other 3½" x 8¾" x 20". Wt. 32 lbs.

### TWO DRAWER MECHANIC'S CHEST NO. B-22

Smallest, most compact portable chest on the market . . . but with big size chest features. Chest measures 8¾" x 9½" x 20" with a tote-tray 1¾" x 7¾" x 19¾" and two large drawers 2½" x 8" x 18".

**No. B-22**—Two drawer mechanic's chest, wt. 20 lbs.

### GABLE TOP MECHANIC'S CHEST NO. B-20

An inexpensive tool chest, but built to withstand years of wear. Chest measures 7" x 8" x 18½" with a lift-out tote-tray 2" x 6¾" x 18" that holds enough tools for immediate use.

**No. B-20**—Gable top mechanic's chest, wt. 9 lbs.



## ROLLER CABINETS

Roller cabinets measure 18" x 26¾" x 32¾". Drawers measure 3½" x 16¾" x 20¾" and have heavy-duty roller slides instead of the usual chest-type telescoping slides. Jackknife front cover slides into cabinet top. Chests roll easily on 4" rubber-tired, ball-bearing casters. Tow-brakes anchor cabinets solidly.

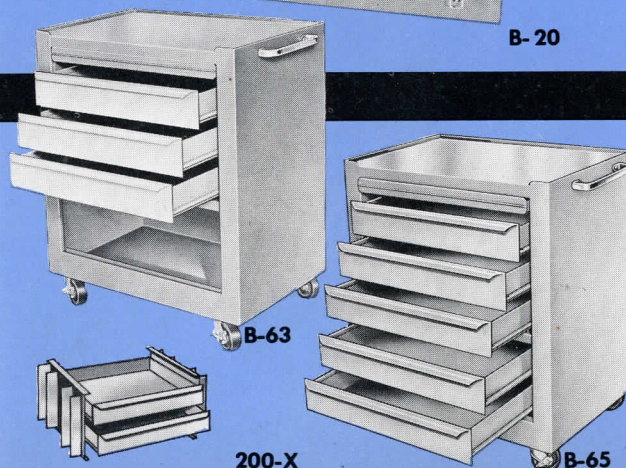
**No. B-65**—Five drawer roller cabinet, wt. 123 lbs.

**No. B-63**—Three drawer roller cabinet with compartment in bottom of cabinet that measures 12" x 17¾" x 26¾". Wt. 95 lbs.

### ROLLER CABINET INSERT NO. 200-X

A two drawer insert that converts the B-63 roller cabinet from a three drawer to a five drawer cabinet. Precision tooled to fit bottom compartment of B-63. Drawers measure 3½" x 16¾" x 20¾".

**No. 200-X**—Two drawer insert for B-63 roller cabinet, wt. 28 lbs.





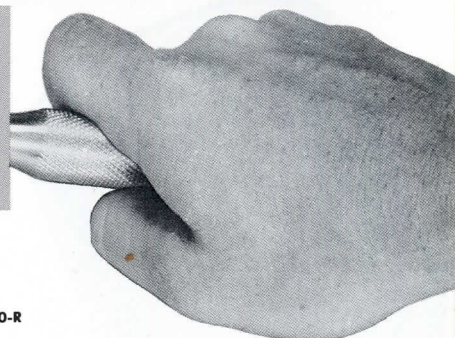
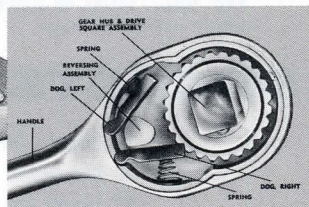
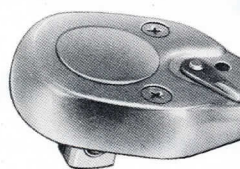


**Fed. Spec: GGG-W-641b**  
(pertains to all items on this page)

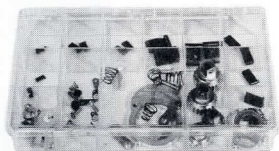
## REVERSIBLE RATCHETS

Lightweight, trouble-free, reversible at the flip of a shift lever located at the neck of the wrench. Same design on all wrenches: 24 teeth; round, knurled handle; high-polished nickel-chrome finish. Made from selected alloy steel and fully heat-treated.

Drive Square	Length	OTC Number
1/4"	5"	H-63
3/8"	7"	H-263A
1/2"	10"	H-163A
1/2"	15 3/4"	H-163B
3/4"	20"	H-363A



## RATCHET REPAIR KITS

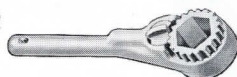


No. H-300-R

Ideal for repair of reversible ratchets in the field. Each kit contains a left and right dog, two springs, a reversing assembly, cover plate and screws.

**No. H-63-R**—Repair kit for H-63 ratchet.  
**No. H-163A-R**—Repair kit for H-163A and H-163B ratchets.  
**No. H-263A-R**—Repair kit for H-263A ratchet.  
**No. H-363A-R**—Repair kit for H-363A ratchet.  
**No. H-300-R**—A selection of repair parts and kits in plastic box No. DA-13B. See parts price list for contents.

## HEAVY DUTY REVERSIBLE RATCHET



No. P-61



No. P-61-10



No. P-61-6



No. M-28

This dual-duty ratchet has a 1 1/2" hex opening and can be used on this size nut or with 3/4" and 1" square drive sockets by adding adaptor plugs. A tubular handle is used to provide necessary leverage. Order all parts listed below for maximum utility.

**No. P-61**—Ratchet head (only).

**No. P-61-6**—Ratchet adaptor, 1 1/2" hex to 3/4" square.

**No. P-61-10**—Ratchet adaptor, 1 1/2" hex to 1" square.

**No. M-28**—Tubular handle, 24" long.

## HANDLES

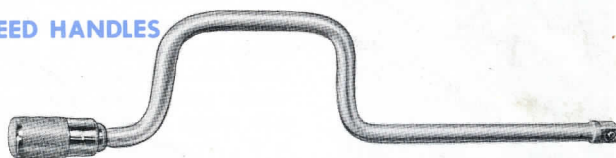
### SPINNER HANDLES



These spinners, with burn resistant shock-proof handles, protect the worker while reaching high to get at nuts. A perfectly balanced handle makes operation as easy as using a screw driver.

Drive Square	Length	OTC Number
1/4"	6"	H-78
3/8"	7"	H-276

### SPEED HANDLES



Careful selection of material used and scientific heat-treating keep these handles from breaking or twisting. Ample sweep and free-wheeling head gives freedom of action under heavy load. The square drive end is kept to a close tolerance and fitted with a check ball and spring so that sockets still fit firmly after many years of use.

Drive Square	Length	OTC Number
3/8"	15"	H-283
3/8"	18"	H-282
3/8"	30"	H-284
1/2"	15"	H-183
1/2"	18"	H-184

### SLIDING TEE HANDLES



Use where a ratchet is not required but a tough job is encountered. A friction ball holds the head in place yet allows the head to slide easily over the handle.

Drive Square	Length	OTC Number
3/8"	8"	H-287
1/2"	10"	H-187
1/2"	15"	H-181
3/4"	20"	H-387
1"	10"	G-87

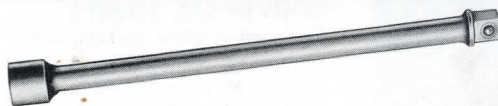
### FLEX HANDLES



Flex handles allow you to work at a great range of angles. The ball and spring in the square drive end permits secure locking of sockets when in use. The transverse hole in the handle allows a bar to be used for additional leverage or the handle may be used as a tee bar if desired. No. H-75 comes complete with a cross bar. The other handles do not.

Drive Square	Length	OTC Number
1/4"	6"	H-75
3/8"	8"	H-275
1/2"	15"	H-176
1/2"	18"	H-177
3/4"	20"	H-377

## EXTENSIONS



Extensions provide that extra reach when needed. Snug fits are insured by the perfect machining of the male and female ends. Made of chrome alloy steel to prevent twisting or bending thru torque.

Drive Square	Length	OTC Number	Drive Square	Length	OTC Number
1/4"	2"	H-70	1/2"	3"	H-171
1/4"	6"	H-71	1/2"	6"	H-172
3/8"	1 1/2"	H-270	1/2"	10"	H-173
3/8"	3"	H-271	1/2"	18"	H-174
3/8"	6"	H-272	3/4"	4 1/2"	H-371
3/8"	10"	H-273	3/4"	10"	H-373
3/8"	18"	H-274	3/4"	18"	H-374
1/2"	1 1/2"	H-170	1"	8"	G-73
			1"	16"	G-74





Fed. Spec: GGG-W-641b  
(pertains to all items on this page)

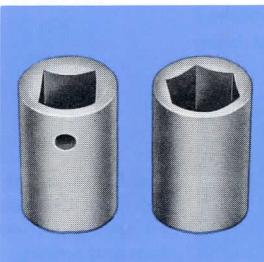
## SOCKETS AND ADAPTORS

- Made from selected alloy steel
- Gauged to accurate limits
- Heat treated for maximum strength
- Chrome plated finish



### STANDARD 12 POINT SOCKETS

Thin-walled to permit use in close places, yet strong enough to hold the accuracy of the 12 point opening over many years of use. Available in  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and 1" sq. dr.



### IMPACT SOCKETS

Designed with hexagon openings and comparatively thin walls. Will take more abuse than most impact sockets on the market today. Not guaranteed. Available in  $\frac{1}{2}$ " square drive only.



### STANDARD 8 POINT SOCKETS

Designed to handle square nuts. The double square opening permits a short throw, easy locating and an accurate fit which will not damage the nut. Available in  $\frac{1}{4}$ " and  $\frac{1}{2}$ " square drive.



### SCREW DRIVER ATTACHMENTS

Use with socket wrench handles when additional leverage is required or with extensions for greater reach. Two popular tip sizes are available in  $\frac{1}{2}$ " square drive only. Not guaranteed.



### STANDARD HEX SOCKETS

Will provide longer life and greater strength than 12 point sockets without increasing the outside diameter. A must for those extra tough jobs. Available in  $\frac{1}{4}$ ",  $\frac{3}{8}$ " and  $\frac{1}{2}$ " square drive.



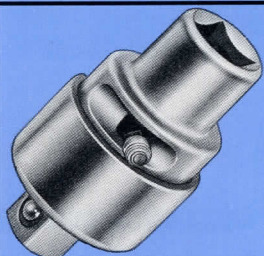
### PHILLIP SCREW DRIVER ATTACHMENTS

Extremely popular accessories since Phillip Head Screws are found extensively on automobiles, trucks, tractors, aircraft and other equipment. Available in  $\frac{3}{8}$ " square drive only.



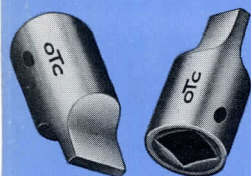
### DEEP SOCKETS

Ideal for removing nuts where protruding bolts prevent the use of standard length sockets, and for spark plug work. Hex sockets available in  $\frac{1}{2}$ " and  $\frac{3}{4}$ " square drive. 12 point sockets available in  $\frac{3}{8}$ " and  $\frac{1}{2}$ " square drive.



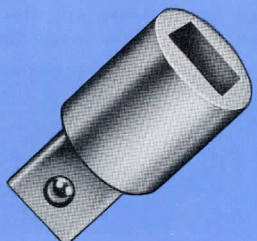
### REVERSIBLE RATCHETING ADAPTORS

Will convert any non-ratcheting socket wrench handle or attachment into a ratcheting device. Works equally well when used with torque wrenches. Available in  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " square drive.



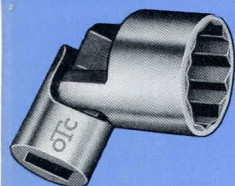
### TIE ROD SOCKETS

Built to service tie rods, drag links and shock absorbers. Ideal also for use on many other types of jobs. Two popular sizes are available in  $\frac{1}{2}$ " square drive only.



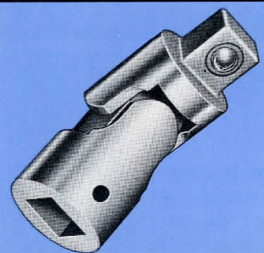
### REDUCING ADAPTORS

Designed to permit interchange of sockets and handles, regardless of drive size, thereby increasing tool set versatility. Available in  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and 1" square drive. Not guaranteed.



### 12 POINT UNIVERSAL SOCKETS

Designed to fit nuts located at an angle to the operators line of clearance. Full 90° swing makes easy work of an often difficult job. Available in  $\frac{3}{8}$ " square drive only.



### UNIVERSAL JOINTS

Designed to allow sockets, extensions and handles to be assembled in various combinations, enabling the operator to reach otherwise inaccessible places. Available in  $\frac{3}{8}$ " and  $\frac{1}{2}$ " square drive.





<b>1/4" Dr. Hex Sockets</b>			
Opening	Length	OTC No.	
1/4"	1"	M-8	
9/32"	1"	M-9	
5/16"	1"	M-10	
11/32"	1"	M-11	
3/8"	1"	M-12	
7/16"	1"	M-14	
1/2"	1"	M-16	

<b>1/4" Dr.—8 Pt. Sockets</b>			
Opening	Length	OTC No.	
1/4"	1"	S-8	
5/16"	1"	S-10	
3/8"	1"	S-12	

<b>1/4" Dr.—Deep Hex Sockets</b>			
Opening	Length	OTC No.	
1/4"	2"	ML-8	
9/32"	2"	ML-9	
5/16"	2"	ML-10	
11/32"	2"	ML-11	
3/8"	2"	ML-12	
7/16"	2"	ML-14	
1/2"	2"	ML-16	

No. ML-15—Set of above 7 sockets in metal tray.  
No. M-91—Metal tray (only).

<b>1/4" Dr.—Reducing Adaptor</b>			
Female End	Male End	OTC No.	
1/4"	3/8"	D-812	

<b>3/8" Dr. Hex Sockets</b>			
Opening	Length	OTC No.	
7/16"	1 1/8"	D-214	
1/2"	1 1/8"	D-216	
9/16"	1 1/8"	D-218	
5/8"	1 1/8"	D-220	
11/16"	1 1/8"	D-222	
3/4"	1 1/8"	D-224	

<b>3/8" Dr.—12 Pt. Sockets</b>			
Opening	Length	OTC No.	
3/8"	1 1/8"	212	
7/16"	1 1/8"	214	
1/2"	1 1/8"	216	
9/16"	1 1/8"	218	
5/8"	1 1/8"	220	
11/16"	1 1/8"	222	
3/4"	1 1/8"	224	

<b>3/8" Dr.—Deep 12 Pt. Sockets</b>			
Opening	Length	OTC No.	
3/8"	2 1/4"	L-212	
7/16"	2 1/4"	L-214	
1/2"	2 1/4"	L-216	
9/16"	2 1/4"	L-218	
5/8"	2 1/4"	L-220	
11/16"	2 1/2"	L-222	
3/4"	2 1/2"	L-224	
13/16"	2 3/4"	L-226	

<b>3/8" Dr.—12 Pt. Universal Sockets</b>			
Opening	Length	OTC No.	
3/8"	1 3/8"	U-212	
7/16"	1 3/4"	U-214	
1/2"	1 3/4"	U-216	
9/16"	1 3/4"	U-218	
5/8"	1 7/8"	U-220	
11/16"	1 7/8"	U-222	
3/4"	2"	U-224	

<b>3/8" Dr.—Universal Joint</b>			
Female End	Male End	OTC No.	
3/8"	3/8"	H-289	

<b>3/8" Dr.—Phillips Attachments</b>			
Point No.	Length	OTC No.	
2	2 5/8"	H-277	
3	2 3/8"	H-278	
4	2 5/8"	H-279	

<b>3/8" Dr.—Screw Driver Attachments</b>			
Tip Size	Length	OTC No.	
1/4"x.032"	3"	H-280	
3/8"x.062"	3"	H-281	

<b>3/8" Dr.—Reducing Adaptors</b>			
Female End	Male End	OTC No.	
3/8"	1/4"	D-1280	
3/8"	1/2"	D-1216	

<b>3/8" Dr.—Ratcheting Adaptor</b>			
Female End	Male End	OTC No.	
3/8"	3/8"	H-264	

<b>1/2" Dr. Hex Sockets</b>			
Opening	Length	OTC No.	
7/16"	1 1/2"	D-114	
1/2"	1 1/2"	D-116	
9/16"	1 1/2"	D-118	
5/8"	1 1/2"	D-120	
11/16"	1 1/2"	D-122	
3/4"	1 1/2"	D-124	

<b>1/2" Dr.—8 Pt. Sockets</b>			
Opening	Length	OTC No.	
7/16"	1 3/8"	S-114	
1/2"	1 3/8"	S-116	
9/16"	1 3/8"	S-118	
5/8"	1 3/8"	S-120	
3/4"	1 1/2"	S-124	
13/16"	1 3/8"	S-126	
7/8"	1 3/8"	S-128	
1"	1 3/4"	S-132	

<b>1/2" Dr.—12 Pt. Sockets</b>			
Opening	Length	OTC No.	
3/8"	1 1/2"	112	
7/16"	1 1/2"	114	
1/2"	1 1/2"	116	
9/16"	1 1/2"	118	
5/8"	1 1/2"	119	
11/32"	1 1/2"	120	
21/32"	1 1/2"	121	
11/16"	1 1/2"	122	
3/4"	1 1/2"	124	
25/32"	1 1/2"	125	
13/16"	1 3/8"	126	
7/8"	1 3/8"	128	
15/16"	1 3/8"	130	
1"	1 3/4"	132	
1 1/16"	1 3/4"	134	
1 1/8"	1 7/8"	136	
1 1/4"	1 7/8"	138	
1 1/2"	2"	140	

<b>1/2" Dr.—Deep 12 Pt. Sockets</b>			
Opening	Length	OTC No.	
1/2"	3"	L-116	
9/16"	3"	L-118	
5/8"	3"	*L-120	
11/16"	3"	†L-122	
3/4"	3"	L-124	
13/16"	3"	L-126	
7/8"	3 1/4"	L-128	
15/16"	3 1/4"	L-130	
1"	3 1/4"	L-132	
1 1/16"	3 1/4"	L-134	
1 1/8"	3 1/4"	L-136	

\*For 10MM A-C 104 series spark plug.

†For 10MM Auto-Lite and Champion spark plugs.

No. L-6—Set containing six sockets: L-116, L-118, L-120, L-122, L-124 and L-134.

No. L-5—Set containing five sockets: L-126, L-128, L-130, L-132 and L-136.

<b>1/2" Dr.—Impact Sockets</b>			
Opening	Length	OTC No.	
7/16"	1 1/2"	PS-114	
1/2"	1 1/2"	PS-116	
9/16"	1 1/2"	PS-118	
5/8"	1 1/2"	PS-120	
11/16"	1 1/2"	PS-122	
3/4"	1 1/2"	PS-124	
13/16"	1 1/2"	PS-126	
7/8"	1 1/2"	PS-128	
15/16"	1 3/8"	PS-130	
1"	1 3/8"	PS-132	
1 1/16"	1 3/8"	PS-134	

<b>1/2" Dr.—Tie Rod Sockets</b>			
Bit Length	Bit Thickness	OTC No.	
3/4"	3/32"	127	
15/16"	1/8"	129	

<b>1/2" Dr.—Universal Joint</b>			
Female End	Male End	OTC No.	
1/2"	1/2"	H-189	

<b>1/2" Dr.—Reducing Adaptors</b>			
Female End	Male End	OTC No.	
1/2"	3/8"	D-1612	
1/2"	3/4"	D-1624	

<b>1/2" Dr.—Ratcheting Adaptor</b>			
Female End	Male End	OTC No.	
1/2"	1/2"	H-164	


<b>3/4" Dr. 12 Pt. Sockets</b>			
Opening	Length	OTC No.	
7/8"	2"	328	
15/16"	2"	330	
1"	2"	332	
1 1/16"	2 1/16"	334	
1 1/8"	2 1/8"	336	
1 1/16"	2 1/16"	338	
1 1/4"	2 3/16"	340	
1 5/16"	2 3/16"	342	
1 3/8"	2 3/8"	344	
1 7/16"	2 1/4"	346	
1 1/2"	2 5/16"	348	
1 5/8"	2 3/8"	352	
1 11/16"	2 7/16"	354	
1 3/4"	2 1/2"	356	
1 13/16"	2 13/16"	358	
1 7/8"	2 7/8"	360	
2"	3"	364	
2 1/8"	3 1/16"	368	
2 1/16"	3 1/8"	370	
2 1/4"	3 3/16"	372	
2 3/8"	3 3/8"	376	

<b>3/4" Dr.—Deep Hex Sockets</b>			
Opening	Length	OTC No.	
1"	3 1/2"	L-332	
1 1/16"	3 1/2"	L-334	
1 1/8"	3 1/2"	L-336	
1 1/4"	3 1/2"	L-340	
1 1/16"	3 1/2"	L-346	

<b>3/4" Dr.—Reducing Adaptors</b>			
Female End	Male End	OTC No.	
3/4"	1/2"	D-2416	
3/4"	1"	D-2432	

<b>3/4" Dr.—Ratcheting Adaptor</b>			
Female End	Male End	OTC No.	
3/4"	3/4"	H-364	

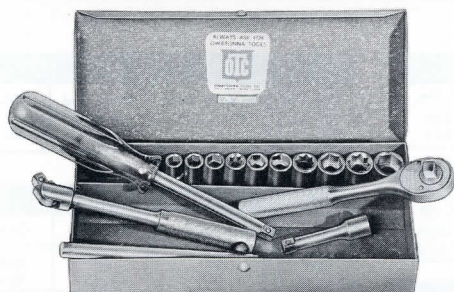
<b>1" Dr. 12 Pt. Sockets</b>			
Opening	Length	OTC No.	
2"	3"	G-64	
2 1/8"	3"	G-68	
2 1/16"	3 1/8"	G-70	
2 1/4"	3 3/16"	G-72	
2 3/8"	3 1/4"	G-76	
2 1/2"	3 3/8"	G-80	
2 5/8"	3 3/8"	G-84	
2 3/4"	3 1/2"	G-88	
2 15/16"	3 3/4"	G-94	
3"	3 3/4"	G-96	
3 1/8"	3 7/8"	G-100	

1" Dr.—Reducing Adaptor			
	Female End	Male End	OTC No.
	1"	3/4"	D-3224





# socket sets



**M-81A**

## 1/4" DRIVE SOCKET SET

### 1/4" DRIVE—MIDGET SOCKET SET No. M-81A

**Tool No. Description**  
**M-8**—1/4" hex socket  
**M-9**—1/2" hex socket  
**M-10**—3/8" hex socket  
**M-11**—1/2" hex socket  
**M-12**—3/8" hex socket

**Tool No. Description**  
**M-14**—7/16" hex socket  
**M-16**—1/2" hex socket  
**S-8**—1/4" 8 pt. socket  
**S-10**—5/16" 8 pt. socket  
**S-12**—3/8" 8 pt. socket

**Tool No. Description**  
**H-63**—Reversible ratchet  
**H-75**—Flex handle & tee bar  
**H-78**—Spinner handle  
**H-70**—2" extension  
**M-90**—Metal case

**No. M-81A**—16 piece, 1/4" sq. drive socket set in metal case, wt. 1 3/4 lbs.

## 3/8" DRIVE SOCKET SETS

### 3/8" DRIVE—JUNIOR SOCKET SET No. SF-240

**Tool No. Description**  
**212**—3/8" 12 pt. socket  
**214**—7/16" 12 pt. socket  
**216**—1/2" 12 pt. socket  
**218**—5/8" 12 pt. socket  
**220**—3/4" 12 pt. socket

**Tool No. Description**  
**222**—11/16" 12 pt. socket  
**224**—3/4" 12 pt. socket  
**H-289**—Universal joint  
**H-263A**—Reversible ratchet  
**H-283**—15" speed handle

**Tool No. Description**  
**H-271**—3" extension  
**H-272**—6" extension  
**H-273**—10" extension  
**H-290**—Metal case

**No. SF-240**—14 piece, 3/8" sq. drive socket set in metal case, wt. 6 lbs.

**SF-240**



### 3/8" DRIVE—JUNIOR FLEX SOCKET SET No. SF-242

**Tool No. Description**  
**212**—3/8" 12 pt. socket  
**214**—7/16" 12 pt. socket  
**216**—1/2" 12 pt. socket  
**218**—5/8" 12 pt. socket  
**220**—3/4" 12 pt. socket  
**222**—11/16" 12 pt. socket  
**224**—3/4" 12 pt. socket

**Tool No. Description**  
**U-212**—3/8" univ. socket  
**U-214**—7/16" univ. socket  
**U-216**—1/2" univ. socket  
**U-218**—5/8" univ. socket  
**U-220**—3/4" univ. socket  
**U-222**—11/16" univ. socket  
**U-224**—3/4" univ. socket

**Tool No. Description**  
**H-289**—Universal joint  
**H-263A**—Reversible ratchet  
**H-283**—15" speed handle  
**H-271**—3" extension  
**H-272**—6" extension  
**H-273**—10" extension  
**H-290**—Metal case

**No. SF-242**—21 piece, 3/8" sq. drive socket set in metal case, wt. 9 3/4 lbs.

**SF-242**



## 1/2" DRIVE SOCKET SETS

### 1/2" DRIVE—STANDARD SOCKET SET No. SF-181

**Tool No. Description**  
**114**—7/16" 12 pt. socket  
**116**—1/2" 12 pt. socket  
**118**—5/8" 12 pt. socket  
**120**—3/4" 12 pt. socket  
**122**—11/16" 12 pt. socket  
**124**—3/4" 12 pt. socket

**Tool No. Description**  
**125**—15/16" 12 pt. socket  
**126**—1 1/16" 12 pt. socket  
**128**—7/8" 12 pt. socket  
**130**—1 1/8" 12 pt. socket  
**132**—1" 12 pt. socket

**Tool No. Description**  
**H-163A**—Reversible ratchet  
**H-176**—15" flex handle  
**H-172**—6" extension  
**H-173**—10" extension  
**F-190**—Metal case

**No. SF-181**—16 piece, 1/2" sq. drive socket set in metal case, wt. 10 lbs.

**SF-181**



### 1/2" DRIVE—DELUXE SOCKET SET No. SF-184

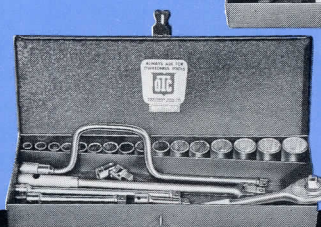
**Tool No. Description**  
**114**—7/16" 12 pt. socket  
**116**—1/2" 12 pt. socket  
**118**—5/8" 12 pt. socket  
**119**—15/16" 12 pt. socket  
**120**—3/4" 12 pt. socket  
**122**—11/16" 12 pt. socket  
**124**—3/4" 12 pt. socket  
**125**—15/16" 12 pt. socket

**Tool No. Description**  
**126**—1 1/16" 12 pt. socket  
**128**—7/8" 12 pt. socket  
**130**—1 1/8" 12 pt. socket  
**132**—1" 12 pt. socket  
**134**—1 1/16" 12 pt. socket  
**136**—1 1/8" 12 pt. socket  
**138**—1 1/4" 12 pt. socket  
**140**—1 1/2" 12 pt. socket

**Tool No. Description**  
**H-189**—Universal joint  
**H-163A**—Reversible ratchet  
**H-176**—15" flex handle  
**H-183**—15" speed handle  
**H-171**—3" extension  
**H-172**—6" extension  
**H-173**—10" extension  
**H-190**—Metal case

**No. SF-184**—24 piece, 1/2" sq. drive socket set in metal case, wt. 14 1/2 lbs.

**SF-184**



## 3/4" DRIVE SOCKET SET

### 3/4" DRIVE—HEAVY DUTY SOCKET SET No. HD-385

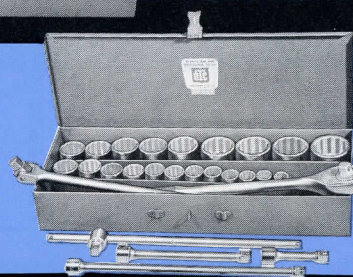
**Tool No. Description**  
**328**—3/4" 12 pt. socket  
**330**—13/16" 12 pt. socket  
**332**—1" 12 pt. socket  
**334**—1 1/16" 12 pt. socket  
**336**—1 1/8" 12 pt. socket  
**338**—1 1/4" 12 pt. socket  
**340**—1 1/2" 12 pt. socket  
**342**—1 3/8" 12 pt. socket  
**344**—1 7/8" 12 pt. socket  
**346**—1 1/2" 12 pt. socket

**Tool No. Description**  
**348**—1 1/2" 12 pt. socket  
**352**—1 5/8" 12 pt. socket  
**354**—1 11/16" 12 pt. socket  
**356**—1 3/4" 12 pt. socket  
**358**—1 13/16" 12 pt. socket  
**360**—1 7/8" 12 pt. socket  
**364**—2" 12 pt. socket  
**368**—2 1/8" 12 pt. socket  
**370**—2 3/8" 12 pt. socket

**Tool No. Description**  
**372**—2 1/4" 12 pt. socket  
**376**—2 3/8" 12 pt. socket  
**H-363A**—Reversible ratchet  
**H-377**—20" flex handle  
**H-387**—20" sliding tee  
**H-371**—4 1/2" extension  
**H-373**—10" extension  
**H-374**—18" extension  
**H-396**—Metal case

**No. HD-385**—28 piece, 3/4" sq. drive socket set in metal case, wt. 51 lbs.

**HD-385**



## 1" DRIVE SOCKET SET

### 1" DRIVE—GIANT SOCKET SET No. G-16

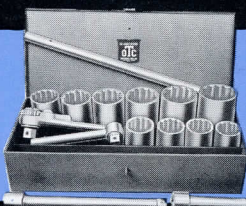
**Tool No. Description**  
**G-64**—2" 12 pt. socket  
**G-68**—2 1/4" 12 pt. socket  
**G-70**—2 1/2" 12 pt. socket  
**G-72**—2 3/4" 12 pt. socket  
**G-76**—2 3/8" 12 pt. socket  
**G-80**—2 1/2" 12 pt. socket

**Tool No. Description**  
**G-84**—2 3/8" 12 pt. socket  
**G-88**—2 3/4" 12 pt. socket  
**G-94**—2 11/16" 12 pt. socket  
**G-100**—3 1/8" 12 pt. socket  
**P-61**—10" ratchet  
**P-61-10**—Ratchet plug

**Tool No. Description**  
**M-28**—24" tubular handle  
**G-87**—10" sliding tee  
**G-73**—8" extension  
**G-74**—16" extension  
**G-90**—Metal case

**No. G-16**—17 piece, 1" sq. drive socket set in metal case, wt. 90 lbs.

**G-16**



## UTILITY TOOL SET

### UTILITY TOOL SET No. A-602

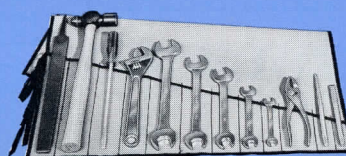
**Tool No. Description**  
**712**—6" slip joint plier  
**BP-8**—8 oz. ball peen  
**CC-12**—Cold chisel  
**DA-10**—10" adj. wrench  
**E-1214**—3/8"x7/16" open end wrench

**Tool No. Description**  
**E-1618**—1/2"x3/16" open end wrench  
**E-2024**—3/8"x3/4" open end wrench  
**E-2628**—13/16"x7/8" open end wrench

**Tool No. Description**  
**E-3032**—5/16"x1" open end wrench  
**FF-12**—Flat file  
**SS-82**—Screw driver  
**TP-12**—Taper punch  
**ED-1133-18**—Tool roll

**No. A-602**—13 piece, utility tool set in plastic tool roll, wt. 6 1/2 lbs.

**A-602**







## MASTER TOOL SET

No. 100-B



The most complete set in the OTC line. Ninety-four tools are contained in a B-48 tool chest, providing a wide range of sockets in  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " drive to cover a variety of work from ignition and carburetor operations to heavy jobs on trucks and tractors. See chart at left for tools contained in this set.

No. 100-B—Master tool set, wt. 108 lbs.

## SUPER TOOL SET

No. 102-B



An excellent utility set containing sixty-four tools used in every day maintenance work. The tools are contained in a B-33 tool chest and were especially selected for automotive maintenance. See chart at left for tools contained in this set.

No. 102-B—Super tool set, wt. 55 lbs.

## MECHANIC'S STARTER SET

No. 103-B



An extremely popular set of forty-three tools considered by the experienced maintenance man as the most practical for general maintenance work. Contained in gable-top tool chest No. B-20. See chart at left for tools contained in this set.

No. 103-B—Mechanic's starter set, wt. 25 lbs.

Contents of Sets Description	Tool No.	Set No. 100-B	Set No. 102-B	Set No. 103-B
<b><math>\frac{3}{4}</math>" Drive Units</b>				
$\frac{3}{8}$ " 12 pt. socket	212	x	x	x
$\frac{7}{16}$ " 12 pt. socket	214	x	x	x
$\frac{1}{2}$ " 12 pt. socket	216	x	x	x
$\frac{9}{16}$ " 12 pt. socket	218	x	x	x
$\frac{5}{8}$ " 12 pt. socket	220	x	x	x
$1\frac{1}{16}$ " 12 pt. socket	222	x	x	x
$\frac{3}{4}$ " 12 pt. socket	224	x	x	x
Universal joint	H-289	x	x	—
Reversible ratchet	H-263A	x	x	x
15" speed handle	H-283	x	x	—
3" extension	H-271	x	x	x
6" extension	H-272	x	x	x
10" extension	H-273	x	x	—
<b><math>\frac{1}{2}</math>" Drive Units</b>				
$\frac{3}{8}$ " 12 pt. socket	112	x	x	—
$\frac{7}{16}$ " 12 pt. socket	114	x	x	x
$\frac{1}{2}$ " 12 pt. socket	116	x	x	x
$\frac{9}{16}$ " 12 pt. socket	118	x	x	x
$1\frac{1}{16}$ " 12 pt. socket	119	x	—	—
$\frac{3}{4}$ " 12 pt. socket	120	x	x	x
$2\frac{1}{16}$ " 12 pt. socket	121	x	—	—
$1\frac{1}{2}$ " 12 pt. socket	122	x	x	x
$\frac{3}{4}$ " 12 pt. socket	124	x	x	x
$2\frac{3}{16}$ " 12 pt. socket	125	x	x	x
$1\frac{3}{4}$ " 12 pt. socket	126	x	x	x
$\frac{7}{8}$ " 12 pt. socket	128	x	x	x
$1\frac{3}{16}$ " 12 pt. socket	130	x	x	x
1" 12 pt. socket	132	x	x	x
$1\frac{1}{8}$ " 12 pt. socket	134	x	x	x
$1\frac{1}{4}$ " 12 pt. socket	136	—	—	x
$1\frac{3}{8}$ " 12 pt. socket	138	—	—	x
$1\frac{1}{2}$ " 12 pt. socket	140	—	—	x
$\frac{7}{16}$ " 8 pt. socket	S-114	x	—	—
$\frac{1}{2}$ " 8 pt. socket	S-116	x	—	—
$\frac{9}{16}$ " 8 pt. socket	S-118	x	—	—
$\frac{5}{8}$ " 8 pt. socket	S-120	x	—	—
$\frac{3}{4}$ " 8 pt. socket	S-124	x	—	—
Universal joint	H-189	x	x	x
Reversible ratchet	H-163A	x	x	x
15" flex handle	H-176	x	x	x
3" extension	H-171	—	—	x
6" extension	H-172	x	x	x
10" extension	H-173	x	x	—
<b><math>\frac{3}{4}</math>" Drive Units</b>				
$1\frac{1}{16}$ " 12 pt. socket	334	x	—	—
$1\frac{1}{8}$ " 12 pt. socket	336	x	—	—
$1\frac{3}{16}$ " 12 pt. socket	338	x	—	—
$1\frac{1}{4}$ " 12 pt. socket	340	x	—	—
$1\frac{3}{8}$ " 12 pt. socket	342	x	—	—
$1\frac{3}{16}$ " 12 pt. socket	344	x	—	—
$1\frac{7}{8}$ " 12 pt. socket	346	x	—	—
$1\frac{1}{2}$ " 12 pt. socket	348	x	—	—
$1\frac{5}{8}$ " 12 pt. socket	352	x	—	—
Reversible ratchet	H-363A	x	—	—
20" flex handle	H-377	x	—	—
10" extension	H-373	x	—	—
<b>Box, Combination, Open-end &amp; Tappet Wrenches</b>				
$\frac{3}{8}$ " x $\frac{7}{16}$ " box wrench	B-1214	x	—	—
$\frac{1}{2}$ " x $\frac{9}{16}$ " box wrench	B-1618	x	—	—
$\frac{3}{8}$ " x $\frac{11}{16}$ " box wrench	B-2022	x	—	—
$\frac{3}{4}$ " x $\frac{25}{32}$ " box wrench	B-2425	x	—	—
$1\frac{3}{16}$ " x $\frac{7}{8}$ " box wrench	B-2628	x	—	—
$\frac{3}{8}$ " combination wrench	C-12	—	x	—
$\frac{7}{16}$ " combination wrench	C-14	—	x	—
$\frac{1}{2}$ " combination wrench	C-16	—	x	—
$\frac{9}{16}$ " combination wrench	C-18	—	x	—
$\frac{5}{8}$ " combination wrench	C-20	—	x	—
$1\frac{1}{16}$ " combination wrench	C-22	—	x	—
$\frac{3}{4}$ " combination wrench	C-24	—	x	—
$1\frac{3}{16}$ " combination wrench	C-26	—	x	—
$\frac{7}{8}$ " combination wrench	C-28	—	x	—
$1\frac{1}{4}$ " combination wrench	C-30	—	x	—
1" combination wrench	C-32	—	x	—
$1\frac{1}{8}$ " combination wrench	C-34	—	x	—
$\frac{3}{8}$ " x $\frac{7}{16}$ " open-end wrench	E-1214	x	—	—
$\frac{1}{2}$ " x $\frac{9}{16}$ " open-end wrench	E-1618	x	—	—
$\frac{3}{8}$ " x $\frac{11}{16}$ " open-end wrench	E-1619	x	—	—
$\frac{3}{4}$ " x $\frac{25}{32}$ " open-end wrench	E-2024	x	—	—
$1\frac{3}{16}$ " x $\frac{7}{8}$ " open-end wrench	E-2225	x	—	—
$\frac{3}{4}$ " x $\frac{7}{8}$ " open-end wrench	E-2428	x	—	—
$1\frac{3}{16}$ " x 1" open-end wrench	E-3032	x	—	—
$\frac{7}{16}$ " x $\frac{1}{2}$ " tappet wrench (2)	O-1416	x	—	—
$\frac{1}{2}$ " x $\frac{9}{16}$ " tappet wrench (2)	O-1618	x	—	—
$\frac{3}{8}$ " x $\frac{11}{16}$ " tappet wrench (2)	O-2022	x	—	—
$\frac{3}{4}$ " x $\frac{7}{8}$ " tappet wrench (2)	O-2428	x	—	—
<b>Punches &amp; Chisels</b>				
Punch & chisel set	PC-25	x	x	—
Cold chisel	CC-12	—	—	x
Center punch	CP-12	—	—	x
Taper punch	TP-12	—	—	x
<b>Miscellaneous Tools</b>				
3" screw driver	RS-85	x	x	x
7" screw driver	SS-42	x	x	x
9 $\frac{1}{2}$ " screw driver	SS-83	x	x	x
11 $\frac{1}{2}$ " screw driver	SS-61	x	x	x
Soft face hammer	PT-16	x	—	—
1 lb. ball peen hammer	BP-16	—	x	x
2 lb. ball peen hammer	BP-32	x	—	—
Standard feeler gauge	860	x	x	—
Master feeler gauge	861	—	—	x
Spark plug wire gauge	866	x	—	—
6" slip joint plier	712	x	x	—
6" slip joint economy plier	K-36	—	—	x
Chain wrench	887	x	x	—
Heavy duty chain wrench	888	x	—	—
10" pipe wrench	PW-10	—	—	x
10" adjustable wrench	DA-10	—	—	x
7" vise-grip	733	—	—	x
16" pry bar	PB-43	x	x	—





# wrenches



Fed. Spec: GGG-W-636a  
(pertains to all items on this page)



## OPEN-END WRENCHES

The most popular and accepted style and design of engineers wrenches. Thin head and pear

shaped jaws provide maximum accessibility. Produced from chrome alloy steel and scientifically heat-treated for maximum strength.

OTC Number	Size Openings	Head Thickness	Length
E-810	1/4" x 5/16"	5/32"	4 1/2"
E-1012	5/16" x 3/8"	11/64"	4 1/2"
E-1214	3/8" x 7/16"	13/64"	4 3/4"
E-1416	7/16" x 1/2"	15/64"	5 3/4"
E-1618	1/2" x 9/16"	15/64"	6 1/8"
E-1619	1/2" x 11/32"	1/4"	6 1/4"
E-1820	9/16" x 5/8"	1/4"	6 7/8"
E-2022	5/8" x 11/16"	9/32"	7 3/8"
E-2024	5/8" x 3/4"	5/16"	8 1/2"
E-2225	11/16" x 25/32"	5/16"	8 1/2"
E-2426	3/4" x 13/16"	11/32"	9 3/4"
E-2428	3/4" x 7/8"	11/32"	9 3/4"
E-2628	13/16" x 7/8"	11/32"	9 3/4"
E-3032	15/16" x 1"	7/16"	11 1/2"
E-3436	1 1/16" x 1 1/8"	7/16"	12 1/2"
E-3440	1 1/16" x 1 1/4"	1/2"	13 3/4"
E-3640	1 1/8" x 1 1/4"	1/2"	13 3/4"

## OBSTRUCTION OPEN-END WRENCHES



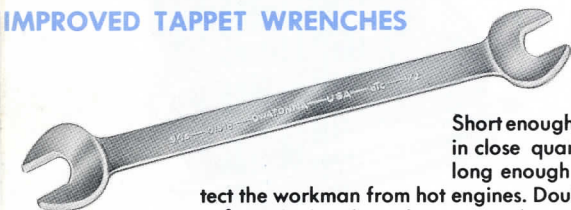
Designed to give the ultimate in strength, toughness and leverage, and

still enable work in places where clearance is limited. Same size openings on both heads at

15° and 60° angles. Drop forged from selected alloy steel, accurately machined and scientifically heat-treated for maximum strength. Chrome plated with highly polished heads.

OTC Number	Size Openings	Head Thickness	Length
E-12	3/8"	3/16"	4 3/4"
E-14	7/16"	1/4"	5"
E-16	1/2"	1/4"	5 1/4"
E-18	9/16"	1/4"	5 3/4"
E-20	5/8"	9/32"	6 1/4"
E-22	11/16"	9/32"	6 3/4"
E-24	3/4"	9/32"	7 1/4"
E-26	13/16"	5/16"	7 3/8"
E-28	7/8"	5/16"	8"
E-30	15/16"	5/16"	8 3/4"
E-32	1"	11/32"	9 1/2"
E-34	1 1/16"	11/32"	10"
E-36	1 1/8"	3/8"	11"
E-40	1 1/4"	3/8"	11 3/4"
E-44	1 3/8"	13/32"	12 1/2"

## IMPROVED TAPPET WRENCHES



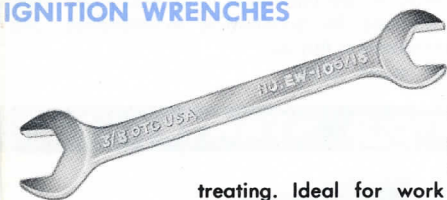
Short enough to work in close quarters yet long enough to protect the workman from hot engines. Double end,

15° angle head. A favorite with mechanics.

OTC Number	Size Openings	Head Thickness	Length
O-1416	7/16" x 1/2"	5/32"	8"
O-1417	7/16" x 17/32"	11/64"	8"
O-1618	1/2" x 9/16"	3/16"	8"
O-2022	5/8" x 11/16"	7/32"	8"
O-2428	3/4" x 7/8"	1/4"	9"

No. O-10L—Set containing two each of the following wrenches: O-1416, O-1618, O-2022 and O-2428 in plastic kit.

## IGNITION WRENCHES



Thin, light weight, yet sturdy because of scientific heat-

treating. Ideal for work on magnetos, distributors, carburetors, radio and TV.

OTC Number	Size Openings	Head Thickness	Length
EW-7	13/64" x 7/32"	3/32"	3"
EW-8	15/64" x 1/4"	7/64"	3 1/8"
EW-9	9/32" x 11/32"	1/8"	3 3/8"
EW-10	5/16" x 3/8"	9/64"	3 3/4"

No. EW-15L—Set containing two each of the above wrenches in plastic kit.

No. EW-16L—Set containing two each of the above wrenches plus No. 780 plier in plastic kit.

## COMBINATION WRENCHES



A sound investment for any mechanic. A 15° angle open end and a 15° angle

box end provide working heads for either square or hex nuts. Accurate openings speed

work and reduce wear. Box openings are beveled for easy placement over nuts. Forged from selected alloy steel and scientifically heat-treated to give the desired strength, toughness and hardness. Chrome plated with highly polished heads.

OTC Number	Size Openings	Head Thickness	Length	OTC Number	Size Openings	Head Thickness	Length
C-10	5/16"	3/16" x 1/4"	4 3/4"	C-36	1 1/8"	15/32" x 5/8"	15"
C-12	3/8"	3/16" x 5/16"	5 1/2"	C-40	1 1/4"	17/32" x 23/32"	18"
C-14	7/16"	15/64" x 5/16"	6 1/2"	C-42	1 3/16"	9/16" x 3/4"	18"
C-16	1/2"	7/32" x 11/32"	7"	C-44	1 3/8"	5/8" x 13/16"	21"
C-18	9/16"	9/32" x 11/32"	7 3/4"	C-46	1 7/16"	21/32" x 27/32"	21"
C-20	5/8"	5/16" x 13/32"	8 1/2"	C-48	1 1/2"	21/32" x 27/32"	21"
C-22	11/16"	3/8" x 7/16"	9 1/4"	C-52	1 5/8"	11/16" x 7/8"	22 3/4"
C-24	3/4"	3/8" x 7/16"	10"	C-54	1 11/16"	11/16" x 7/8"	22 3/4"
C-26	13/16"	3/8" x 15/32"	11"	C-56	1 3/4"	13/16" x 1 1/8"	26"
C-28	7/8"	3/8" x 1/2"	11 3/4"	C-58	1 13/16"	13/16" x 1 1/8"	26"
C-30	15/16"	13/32" x 17/32"	12 3/4"	C-60	1 7/8"	13/16" x 1 1/8"	26"
C-32	1"	13/32" x 17/32"	14"	C-64	2"	13/16" x 1 1/8"	26"
C-34	1 1/16"	15/32" x 5/8"	15"				

No. C-3L—Set containing C-12, C-14, C-16, C-18, C-20, C-22 and C-24 in plastic kit.

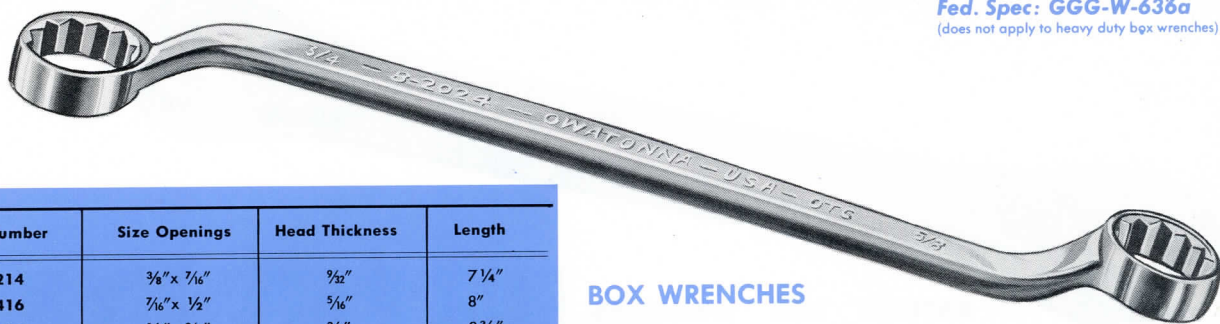
**OWATONNA TOOL COMPANY**  
OWATONNA, MINNESOTA, U.S.A.





# wrenches

**Fed. Spec: GGG-W-636a**  
(does not apply to heavy duty box wrenches)



## BOX WRENCHES

Thin side walls and depth of wrench head offset make it possible to reach countersunk or imbedded nuts which might otherwise be inaccessible. Accurately broached openings grip hex nuts equally on all sides, preventing slipping and rounding of the corners of the nut. Proper length for needed reach. Carefully selected combination of openings provide the greatest range of opening sizes included in a minimum number of wrenches. Well rounded handle provides a comfortable grip. Chrome alloy steel carefully selected and scientifically heat-treated for maximum strength.

OTC Number	Size Openings	Head Thickness	Length
B-1214	3/8" x 7/16"	9/32"	7 1/4"
B-1416	7/16" x 1/2"	5/16"	8"
B-1618	1/2" x 9/16"	3/8"	8 3/4"
B-1820	9/16" x 5/8"	3/8"	9 3/4"
B-2022	5/8" x 11/16"	13/32"	10 3/4"
B-2024	5/8" x 3/4"	7/16"	11 1/2"
B-2425	3/4" x 25/32"	15/32"	12"
B-2428	3/4" x 7/8"	1/2"	13"
B-2628	13/16" x 7/8"	9/16"	13 3/4"
B-3032	15/16" x 1"	9/16"	14 1/2"
B-3436	1 1/4" x 1 1/8"	1 1/16"	15 1/2"
B-4042	1 1/4" x 1 5/16"	13/16"	19"

OTC Number	Size Openings	Head Thickness	Length
A-1012	5/16" x 3/8"	7/32" x 1/4"	4 3/8"
A-1214	3/8" x 7/16"	1/4" x 9/32"	4 3/4"
A-1618	1/2" x 9/16"	3/16" x 3/8"	5 3/4"
A-1820	9/16" x 5/8"	3/8" x 7/16"	6 1/8"
A-2022	5/8" x 11/16"	7/16" x 1/2"	6 3/8"
A-2024	5/8" x 3/4"	7/16" x 1/2"	6 3/8"

OTC Number	Size Openings	Head Thickness	Length
BW-6	13/64" x 3/16"	1/8"	2 7/8"
BW-7	15/64" x 7/32"	5/32"	3"
BW-8	9/32" x 1/4"	3/16"	3 3/8"
BW-10	11/32" x 5/16"	3/16"	3 3/4"

No. BW-4L—Set containing one each of the above wrenches in plastic kit.  
No. BE-8L—Set containing the following wrenches: EW-7, EW-8, EW-9, EW-10, BW-6, BW-7, BW-8 and BW-10 in plastic kit.

Opening Size	Head Thickness	Shank Size	Straight OTC No.	15° Offset OTC No.	Double Offset OTC No.	Use Handle No.
3/4"	3/4"	7/8"	MS- 24	MA- 24	MO- 24	M-28
7/8"	3/4"		MS- 28	MA- 28	MO- 28	
15/16"	3/4"		MS- 30	MA- 30	MO- 30	
1"	3/4"		MS- 32	MA- 32	MO- 32	
1 1/16"	3/4"		MS- 34	MA- 34	MO- 34	
1 1/8"	3/4"		MS- 36	MA- 36	MO- 36	
1 1/4"	3/4"		MS- 40	MA- 40	MO- 40	
1 1/2"	3/4"		MS- 42	MA- 42	MO- 42	
1 5/8"	7/8"		MS- 44	MA- 44	MO- 44	
1 3/4"	7/8"		MS- 46	MA- 46	MO- 46	
1 7/8"	7/8"	1"	MS- 48	MA- 48	MO- 48	M-32
2"	7/8"		MS- 52	MA- 52	MO- 52	
2 1/8"	15/16"		MS- 54	MA- 54	MO- 54	
2 1/4"	15/16"		MS- 56	MA- 56	MO- 56	
2 1/2"	15/16"		MS- 58	MA- 58	MO- 58	
2 3/8"	1"		MS- 60	MA- 60	MO- 60	
2 1/2"	1 1/8"		MS- 62	MA- 62	MO- 62	
2 3/4"	1 1/8"		MS- 64	MA- 70	MO- 70	
2 7/8"	1 1/8"		MS- 72	MA- 72	MO- 72	
3"	1 1/8"	1 1/8"	MS- 76	MA- 76	MO- 76	M-36
3 1/8"	1 1/8"		MS- 82	MA- 82	MO- 82	
3 1/4"	1 1/8"		MS- 84	MA- 84	MO- 84	
3 1/2"	1 1/8"		MS- 88	MA- 88	MO- 88	
3 3/4"	1 1/8"		MS- 90	MA- 90	MO- 90	
3 7/8"	1 1/8"		MS- 94	MA- 94	MO- 94	
4"	1 1/8"		MS- 96	MA- 96	MO- 96	
4 1/8"	1 1/8"		MS- 100	MA- 100	MO- 100	
4 1/4"	1 1/8"		MS- 108	MA- 108	MO- 108	
4 1/2"	1 1/8"	1 5/8"	MS- 112	MA- 112	MO- 112	M-42

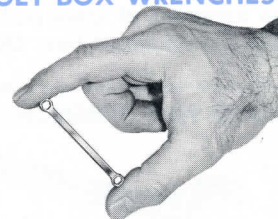
## SHORT BOX WRENCHES



Heads set at 45° angles to the handle to allow access to obstructed spots, yet long enough to provide ample leverage. Openings chamfered on both top and bottom to facilitate use either way. Heat-treated.

## MIDGET BOX WRENCHES

Made of the same high quality materials and by the same exacting workmanship as the larger OTC box wrenches. Designed to fit small size hex nuts in close quarters such as found in electrical maintenance on generators, magnetos, radio, TV and general tune-up work.



## HEAVY DUTY BOX WRENCHES

Made in 3 styles: straight, 15° off-set and double off-set. 12 point broached openings prevent slipping, spreading or twisting when pressure is applied. Use with tubular extension handles as indicated in chart at left.



## TUBULAR HANDLES



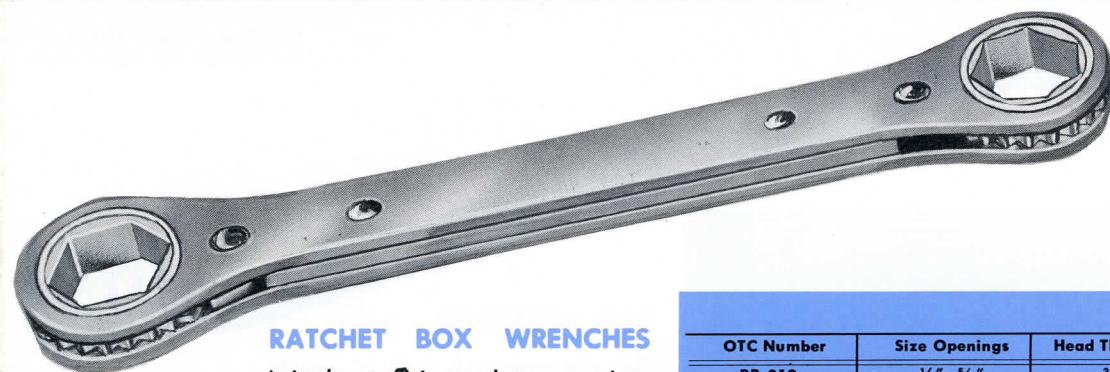
Seamless steel. Available in four sizes and lengths to fit all wrenches listed at the left. A special compression plug in the wrench shank allows each handle to be used interchangeably with different size wrenches and prevents the handle from slipping off.

OTC Handle Number	Length	Outside Diameter	Inside Diameter
M-28	24"	1 1/8"	7/8"
M-32	30"	1 1/4"	1"
M-36	36"	1 1/2"	1 1/8"
M-42	42"	2"	1 3/8"





# wrenches



## RATCHET BOX WRENCHES

A simple yet efficient and strong ratcheting action increases the speed of operation. Because of thin heads and short throw, can be used in spots where standard box wrenches or sockets cannot be used. Made of alloy steel and fully heat-treated. RB-2024 fits the oil filter cap nuts found on GM and Ford products.

OTC Number	Size Openings	Head Thickness	Length
RB-810	1/4" x 5/16"	3/8"	4 1/4"
RB-1214	3/8" x 7/16"	3/8"	5 1/2"
RB-1618	1/2" x 9/16"	1/2"	6 3/4"
RB-2022	3/8" x 11/16"	1/2"	8"
RB-2024	3/8" x 3/4"	1/2"	8"
RB-2428	3/4" x 7/8"	1/2"	9 1/4"

No. RB-5L—Set containing the following wrenches: RB-810, RB-1214, RB-1618, RB-2022 and RB-2428 in plastic kit.

## IMPROVED FLEX WRENCHES



Originally designed by OTC. Double end combination openings combine the valuable features of a box wrench and a flex socket. Seven wrenches provide the mechanic with a maximum coverage of the most needed opening sizes.

OTC Number	Size Openings	Length
F-1214	3/8" x 7/16"	6 1/4"
F-1618	1/2" x 9/16"	7 1/2"
F-1820	9/16" x 5/8"	8 1/2"
F-2022	3/8" x 11/16"	10"
F-2224	11/16" x 3/4"	9 3/4"
F-2628	13/16" x 7/8"	10 3/4"
F-3032	15/16" x 1"	12"

No. F-25L—Set containing the following wrenches: F-1214, F-1618, F-1820, F-2224 and F-2628 in plastic kit.

## ADJUSTABLE WRENCHES

Fed. Spec: GGG-W-631a



Finely balanced and precision built with slightly tapered jaws to permit access in to close places. Forged from fully heat-treated alloy steel. Chrome finished.

### REPLACEMENT PARTS

An assortment of spare parts for OTC adjustable wrenches in a plastic compartment box. Quantities of each part shown in table.

OTC Number	Length	Capacity
DA-4	4"	1/2"
DA-6	6"	3/4"
DA-8	8"	7/8"
DA-10	10"	1 1/8"
DA-12	12"	1 5/8"
DA-15	15"	1 3/4"
DA-18	18"	2 1/8"

For OTC No.	-1 Jaw	-2 Spring	-3 Pin	-4 Screw
DA-6	4	4	4	4
DA-8	4	4	4	4
DA-10	6	6	6	6
DA-12	6	6	6	6

No. DA-13—Parts assortment in plastic box No. DA-13B.

## FLARE NUT WRENCHES



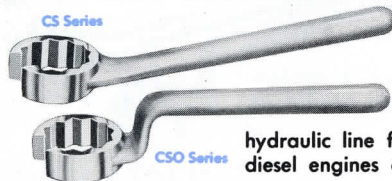
Milled slots permit wrenches to be slipped over tubing used on fuel, oil and vacuum lines. The hex openings fit the nuts snugly so that slipping and damage to soft nuts is eliminated. Not guaranteed.

OTC Number	Size Openings	Head Thickness	Slot Size	Length
CS-1214	3/8" x 7/16"	11/32"	3/16" x 1/4"	5 1/2"
CS-1618	1/2" x 9/16"	3/4"	3/16" x 3/8"	6 3/4"
CS-2022	3/8" x 11/16"	1/2"	7/16" x 1/2"	7 3/4"
CS-2428	3/4" x 7/8"	9/16"	3/16" x 11/16"	9"
CS-3236	1" x 1 1/8"	3/8"	13/16" x 15/16"	10 3/8"

No. CS-3L—Set containing the following wrenches: CS-1214, CS-1618 and CS-2022 in plastic kit.

## HEAVY DUTY FLARE NUT WRENCHES

CS Series

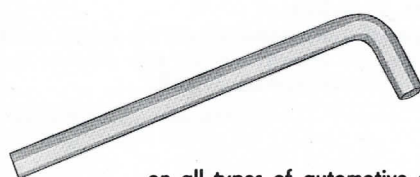


CSO Series

Made in two styles: 15° offset and double offset. Designed for fuel and hydraulic line fittings on AC tractors, diesel engines and refrigeration units.

OTC Number	Size Openings	Head Thickness	Slot Size	Length
CS-44	1 3/8"	1 3/16"	1 3/16"	10 3/4"
CS-56	1 3/4"	7/8"	1"	13"
CSO-40	1 1/4"	23/32"	1 3/16"	10"
CSO-48	1 1/2"	7/8"	1"	11 1/4"

## ALLEN TYPE SET SCREW WRENCHES



The widespread use of socket head cap screws make it necessary to own a complete set of these fine wrenches. Used on all types of automotive and industrial equipment. Not guaranteed.

OTC No.	Size	Fits Set Screws	Fits HH Cap Screws	OTC No.	Size	Fits Set Screws	Fits HH Cap Screws
W-1	1/16"	6	—	W13-A	7/16"	—	—
W-2	3/64"	8	—	W-16	1/2"	7/8"	5/8"
W-3	3/32"	10 & 12	—	W-18	9/16"	1" &	3/4"
W-4	1/8"	1/4"	8	—	—	1 1/8"	—
W-5	3/32"	3/16"	10	W-20	5/8"	1 1/4" &	1"
W-6	3/16"	3/8"	1/4"	—	—	1 3/8"	—
W-7	7/32"	7/16"	3/16"	W-24	3/4"	1 1/2"	1 1/8" &
W-8	1/4"	1/2"	3/8"	—	—	1 3/4"	1 1/4"
W-10	3/16"	3/8"	3/8" & 7/16"	W-32	1"	1 3/4" &	1 1/2"
W-12	3/8"	3/4"	1/2"	—	—	2"	—

No. W-14L—Set containing the first 10 sizes of Allen type set screw wrenches listed above, in plastic kit.

**OWATONNA TOOL COMPANY**  
OWATONNA, MINNESOTA, U.S.A.



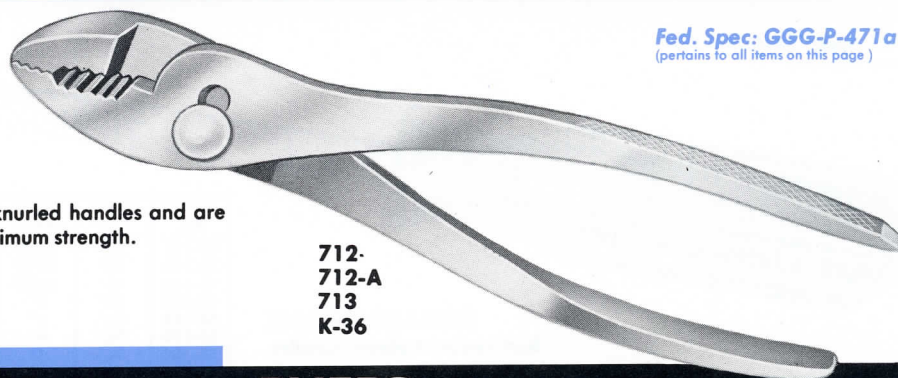


Fed. Spec: GGG-P-471a  
(pertains to all items on this page)

## SLIP JOINT PLIER

These chrome plated, slip joint pliers have knurled handles and are forged from heat-treated alloy steel for maximum strength.

- No. 712—Slip joint plier, 6" long.
- No. 712-A—Slip joint plier, 8" long.
- No. 713—Slip joint plier, 10" long.



712-  
712-A  
713  
K-36

## PLIERS

### ECONOMY PLIER NO. K-36

This economy slip joint plier is made from fully heat-treated alloy steel, and is chrome plated but not polished.

No. K-36—Economy slip joint plier, 6" long.

### LONG NOSE PLIER

Long, thin tapered nose is ideal in close quarters. Beautiful polished chrome finish. Available with or without cutter.

- No. 707—Long nose plier with cutter, 6" long.
- No. 708—Long nose plier without cutter, 6" long.

### ADJUSTABLE RIB-JOINT PLIER

Tongue and groove provides non-slip grip that will not wear out. A long lasting plier forged from high alloy steel and fully heat-treated to withstand hard usage.

- No. 781—Ignition plier, 5" long.
- No. 782—Utility plier, 10" long.
- No. 783—Heavy-duty plier, 10" long.

### IGNITION PLIER NO. 780

Adjustable to three positions, with positive grip designed for electrical work. Fully heat-treated for maximum strength.

No. 780—Ignition plier, 5" long.

### HOSE-CLAMP PLIER NO. KC-18

Designed for applying and removing the new spring hose clamps now standard on many of the newer cars, trucks and tractors.

No. KC-18—Hose-clamp plier, 6" long.

### BATTERY PLIER NO. 703

The jaws are designed with proper angle and grip to handle battery terminal nuts, no matter how badly they may be corroded.

No. 703—Battery plier, 8" long.

### PUMP-NUT PLIER NO. 706

Thin jaws with deep milled teeth and long handles provide the reach and leverage to adjust water pump packing nuts. Adjustable to five positions from 0" to 1 3/4".

No. 706—Water pump-nut plier, 9 1/2" long.

## CUTTERS

### END CUTTERS

Wide throat clearance, powerful leverage and thin, sharp cutting jaws make this an ideal tool for many cutting jobs.

- No. 721—End cutting plier, 6" long, with 1" wide jaw.
- No. 722—End cutting plier, 7" long, with 1 1/2" wide jaw.

### SIDE CUTTER NO. 702

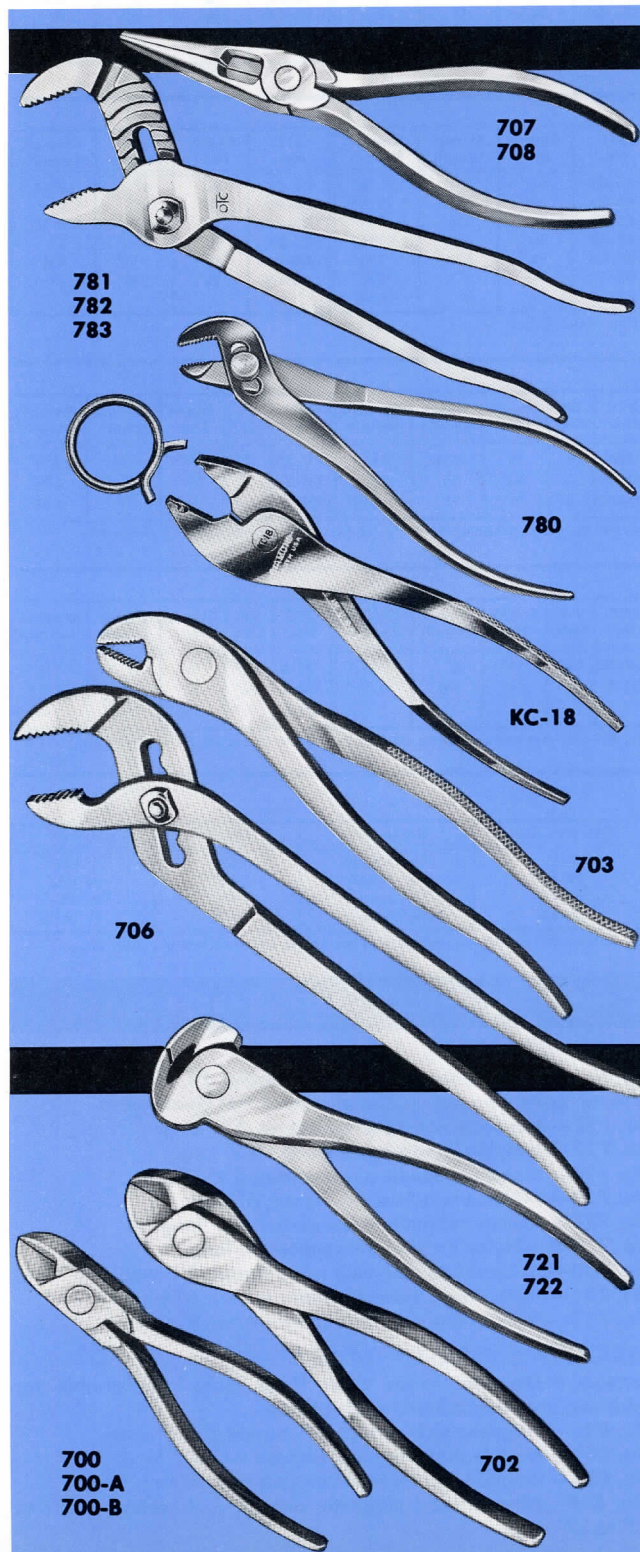
A heavy-duty cutter with extra leverage and extra power for tough cutting. Special heat-treating insures true cutting edges.

No. 702—Side cutter, 6" long.

### DIAGONAL CUTTERS

The knife edges are carefully honed to give a true cutting edge the full length of the blade. The head is shaped to allow maximum strength at the tips. Heat-treated for lasting sharpness.

- No. 700—Diagonal cutter, 4" long.
- No. 700-A—Diagonal cutter, 5" long.
- No. 700-B—Diagonal cutter, 6" long.



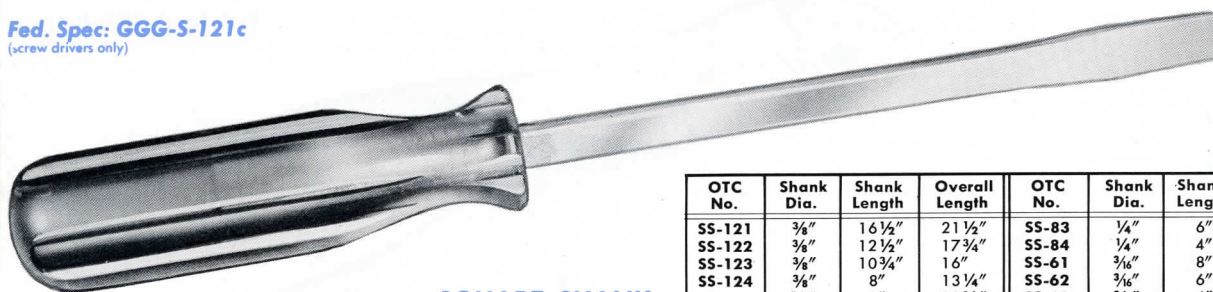




# screw drivers



**Fed. Spec: GGG-S-121c**  
(screw drivers only)

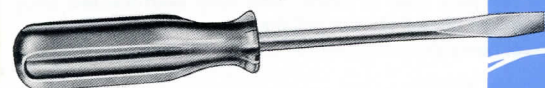


## SQUARE SHANK

Burn resistant plastic handles.  
Heat-treated alloy steel shanks, accurately ground to correct screw slot sizes. Will last a life-time.

OTC No.	Shank Dia.	Shank Length	Overall Length	OTC No.	Shank Dia.	Shank Length	Overall Length
SS-121	3/8"	16 1/2"	21 1/2"	SS-83	1/4"	6"	9 1/2"
SS-122	3/8"	12 1/2"	17 3/4"	SS-84	1/4"	4"	7 1/2"
SS-123	3/8"	10 3/4"	16"	SS-61	3/16"	8"	11 3/4"
SS-124	3/8"	8"	13 1/4"	SS-62	3/16"	6"	9 1/2"
SS-101	5/16"	8"	12 1/2"	SS-63	3/16"	4"	7 1/2"
SS-102	5/16"	6"	10"	SS-64	3/16"	3"	6 1/2"
SS-103	5/16"	4"	8"	SS-41	1/8"	6"	9"
SS-81	1/4"	10 1/4"	13 3/4"	SS-42	1/8"	4"	7"
SS-82	1/4"	8"	11 3/4"				

## ROUND SHANK

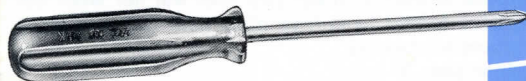


Chrome-Vanadium steel shanks, fully heat-treated for maximum strength. Tough, burn resistant plastic handles provide an excellent grip. Especially practical for electrical work. Thirteen available sizes.

OTC No.	Shank Dia.	Shank Length	Overall Length	OTC No.	Shank Dia.	Shank Length	Overall Length
RS-81	1/4"	8"	11 1/4"	RS-41	1/8"	6"	8 3/4"
RS-82	1/4"	6"	9 1/2"	RS-42	1/8"	4"	7"
RS-83	1/4"	4 1/2"	7 3/4"	*RS-43	1/8"	2"	4 1/4"
RS-61	3/16"	8"	11 1/2"	*RS-31	3/32"	1 1/4"	3"
RS-62	3/16"	6"	9 1/2"	RS-125	3/16"	1 1/2"	3 1/2"
RS-63	3/16"	5"	8 1/2"	RS-85	1/4"	1 1/4"	3"
RS-64	3/16"	3"	6 1/2"				

\*With Pocket Clips.

## PHILLIPS HEAD



Burn resistant plastic handles. Heat-treated alloy steel shanks. Extremely popular.

OTC No.	Bit No.	Shank Dia.	Shank Length	Overall Length	OTC No.	Bit No.	Shank Dia.	Shank Length	Overall Length
PH-4	4	3/8"	8 5/8"	13"	PH-25	2	1/4"	1 1/2"	3 1/2"
PH-3	3	5/16"	6"	10"	PH-1	1	3/16"	3"	6 1/2"
PH-2	2	1/4"	5"	8 1/2"	PH-1S	1	3/16"	1"	2 3/4"

No. PH-5L—Set containing PH-1, PH-1S, PH-2, PH-2S and PH-3 in plastic kit.

## CLUTCH HEAD

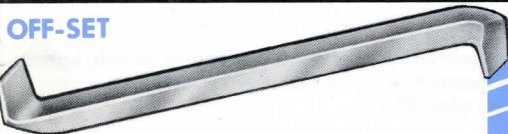


Heat-treated alloy steel shanks. Burn resistant plastic handles. A popular item.

OTC No.	Bit Size	Shank Dia.	Shank Length	Overall Length	OTC No.	Bit Size	Shank Dia.	Shank Length	Overall Length
CH-10	5/16"	3/8"	6"	10 1/2"	CH-6	3/16"	1/4"	4"	7 1/2"
CH-8	1/4"	5/16"	6 1/4"	10 1/4"	CH-5	5/32"	1/4"	4"	7 1/2"
					CH-4	1/8"	3/16"	3 1/4"	6 1/4"

No. CH-5L—Set containing one each of the above screw drivers in plastic kit.

## OFF-SET



Bits are set at a 45° angle for those hard-to-get-at screw heads. Fully heat-treated.

OTC Number	Shank Dia.	Length	Bit Size
SS-6	3/16" Square	4"	5/32" x 1/32"
SS-8	1/4" Square	4 1/2"	3/8" x 1/16"
SS-10	5/16" Square	4 1/2"	15/32" x 5/64"
SS-12	3/8" Square	6 1/2"	5/8" x 3/32"

No. SS-4L—Set containing one each of the above screw drivers in plastic kit.

## SCREW STARTERS AND MAGNETIC PICK-UP TOOLS

### SCREW STARTERS

Practical for automotive, refrigeration, radio, TV, and other types of repair work. Two popular handle types. Not Guaranteed.

No. 727—Aluminum handle screw starter, 2 1/2" long.

No. 727-A—Nylon handle screw starter, 2 1/2" long.

No. 728—Aluminum handle screw starter, 5 1/2" long.

No. 728-A—Nylon handle screw starter, 6" long.

No. 729—Aluminum handle screw starter, 9 1/4" long.

No. 729-A—Nylon handle screw starter, 9" long.

No. 730—Phillips-head magnetic screw starter; 3" long.

No. 731—Phillips-head magnetic screw starter; 6" long.

No. 732—Phillips-head magnetic screw starter; 9" long.

### MAGNETIC PICK-UP TOOLS

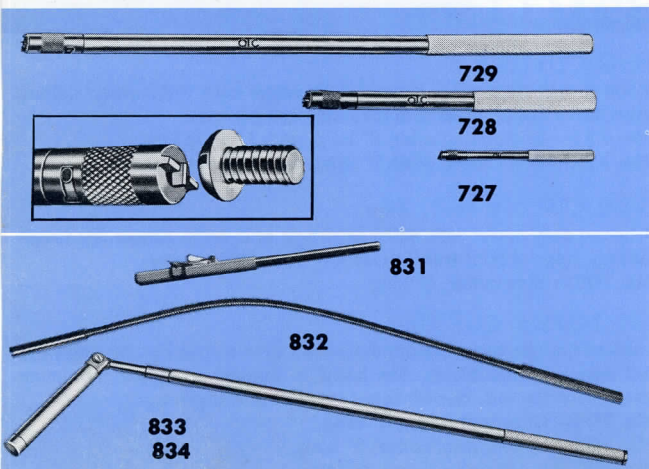
Permanent Magnetic heads make these tools indispensable for retrieving lost parts in inaccessible places.

No. 831—Magnetic pick-up tool with pocket clip. 6" long.

No. 832—Flexible shaft magnetic pick-up tool. 18" long.

No. 833—Hinged head magnetic pick-up tool. 9" long.

No. 834—Hinged head magnetic pick-up tool. Telescopes from 12" to 27" long.



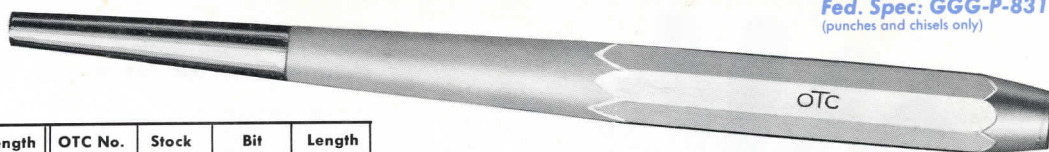
**OWATONNA TOOL COMPANY**  
OWATONNA, MINNESOTA, U.S.A.





# punches and chisels

Fed. Spec: GGG-P-831  
(punches and chisels only)



OTC No.	Stock	Bit	Length	OTC No.	Stock	Bit	Length
TP-8	1/4"	1/8"	5"	TP-24	3/4"	5/16"	10"
TP-10	5/16"	5/32"	6"	TP-24L	3/4"	5/16"	18"
TP-12	3/8"	3/16"	7"	TP-28	7/8"	3/8"	15"
TP-16	1/2"	7/32"	8"	TP-32	1"	1/2"	18"
TP-20	5/8"	1/2"	9"				

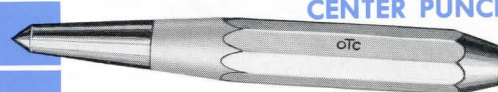
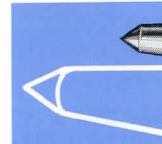
No. TP-25L—Set containing the first six punches listed above in plastic kit.

## TAPER PUNCHES

Built of special alloy tool steel to resist bending, chipping or mushrooming and fully heat-treated to give long life. These punches are the finest on the market today.

OTC No.	Stock	Length	OTC No.	Stock	Length
CP-8	1/4"	3"	CP-16	1/2"	4 1/2"
CP-10	5/16"	3 1/2"	CP-20	3/8"	5"
CP-12	3/8"	4"	CP-24	3/4"	5 1/2"

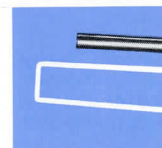
## CENTER PUNCHES



Made from fully heat-treated alloy tool steel. Finely ground and beautifully plated.

OTC No.	Stock	Bit	Length
PP-6	1/2"	3/16"	7"
PP-8	1/2"	1/4"	7"
PP-10	1/2"	5/16"	7"

## PIN PUNCHES

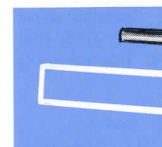


Long bits permit driving pins out all the way. Fully heat-treated alloy tool steel.

OTC No.	Bit	Length
MP-2	1/16"	4"
MP-3	3/32"	4"
MP-4	1/8"	4"
MP-5	1/8"	4"

No. MPC-25L—Midget punch and chisel set containing the following: magneto pin punches MP-2, MP-3, MP-4, and MP-5; taper punches TP-8 and TP-10; cold chisels CC-8 and CC-10; center punch CP-10 and cape chisel XC-10, in plastic kit.

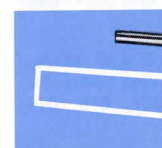
## MAGNETO PIN PUNCHES



Designed for work on magnetos and other electrical work where small pins must be removed.

OTC No.	Stock	Bit	Length
SP-6	1/2"	3/16"	6 1/2"
SP-8	1/2"	1/4"	6 1/2"
SP-10	1/2"	5/16"	6 1/2"

## STARTER PUNCHES



Use to loosen stuck pins before driving them out with a pin punch. Fully heat-treated.

## CHISELS

OTC No.	Stock	Bit	Length	OTC No.	Stock	Bit	Length
CC-8	1/4"	5/16"	5"	CC-24	3/4"	7/8"	8"
CC-10	5/16"	3/8"	5 1/2"	CC-24L	3/4"	7/8"	18"
CC-12	3/8"	1/2"	6"	CC-28	7/8"	1"	12"
CC-16	1/2"	5/8"	6 1/2"	CC-32	1"	1 1/4"	16"
CC-20	5/8"	3/4"	7"				

No. CC-25L—Set containing the first six chisels listed above in plastic kit.

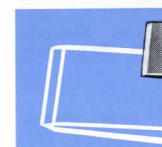
No. PC-25—Punch and chisel set containing the following: cold chisels CC-8, CC-10, CC-12, CC-16, CC-20 and CC-24 and taper punches TP-8, TP-10, TP-12, TP-16, TP-20 and TP-24.

No. PC-25L—Set No. PC-25 in plastic kit.

Available in three types: Round Nose, Diamond Point and Cape. The Cape or narrow bit is used for cleaning or cutting keyways, the Round Nose for cleaning or cutting oil grooves and the Diamond Point is used for cutting out bushings. Made from special alloy tool steel and fully heat-treated for longer life.

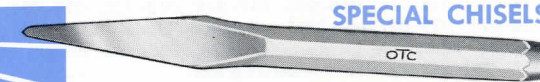
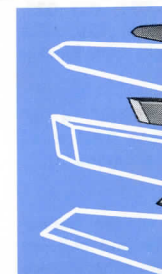
OTC No.	Stock	Bit	Length
Cape No. XC-10	5/16"	1/4"	5"
Cape No. XC-16	1/2"	3/8"	6 1/2"
Diamond Point No. DP-16	1/2"	1/4"	6 1/2"
Round Nose No. RN-16	1/2"	5/16"	6 1/2"

## COLD CHISELS



Built of special close grained tool steel to provide extra toughness. Will retain their cutting edge longer than most chisels on the market today. Able to withstand severe usage and resist chipping and mushrooming.

## SPECIAL CHISELS



No. XC-10 and XC-16

No. DP-16

No. RN-16

## ROLLING HEAD PRY BARS AND JIMMY BARS

### ROLLING HEAD PRY BARS

Rolling head makes possible a great deal of leverage. Long tapered body may be used as a lining-up drift. Two popular sizes.

No. PB-43—Pry bar, 5/8" round, 16" long.

No. PB-45—Pry bar, 3/4" round, 18" long.

### JIMMY BARS

Forged from chrome alloy steel and fully heat-treated.

No. PB-18—Jimmy bar, 5/8" round, 18" long.

No. PB-24—Jimmy bar, 3/4" round, 24" long.

No. PB-30—Jimmy bar, 5/8" round, 30" long.



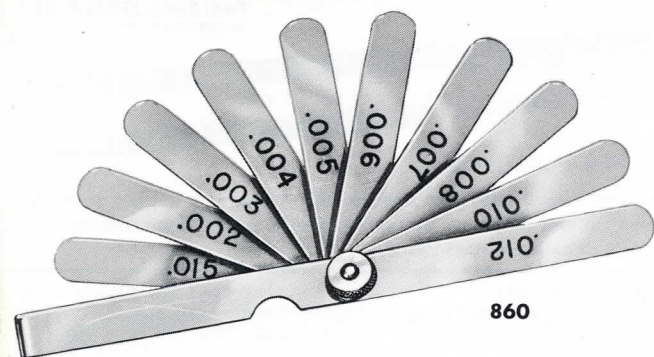
PB-43  
PB-45

PB-18  
PB-24  
PB-30





# feeler gauges



**STANDARD FEELER GAUGE—NO. 860** . . . Contains ten  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .007, .008, .010, .012 and .015.

**FEELER GAUGE—NO. 860-A** . . . Contains fifteen  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .007, .008, .010, .011, .012, .013, .014, .015, .020 and .025.

**UNIVERSAL MASTER GAUGE—NO. 861** . . . Contains twenty-five  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " blades: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032 and .035.

**GO-NO-GO GAUGE—NO. 867** . . . Contains fifteen  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " stepground blades: .006-.008, .007-.009, .008-.010, .009-.011, .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021 and .020-.022.

**MASTER GO-NO-GO GAUGE—NO. 863-A** . . . Contains twenty-two  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " step-ground blades: .004-.006, .005-.007, .006-.008, .007-.009, .008-.010, .009-.011, .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021, .020-.022, .021-.023, .022-.024, .023-.025, .024-.026 and .025-.027.

**COMBINATION O.H.V. GAUGE—NO. 461-A** . . . Contains seven  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " 45° offset blades: .018, .019, .020, .021, .024, .025, .026; and four  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " straight blades: .015, .016, .018 and .019. This gauge is especially useful on Ford, Mercury and Studebaker motors.

**UNIVERSAL O.H.V. GAUGE FOR V-8 ENGINES—NO. 864-A** . . . Contains sixteen  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " 45° offset blades: .009, .010, .011, .014, .015, .016, .017, .018, .019, .020, .021, .023, .024, .025, .026 and .027. Ideal for checking valve clearances on most V-8 engines.

**COMBINATION GAUGE—NO. 864** . . . Contains ten  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015; and twelve  $1\frac{1}{2}$ " x  $\frac{1}{2}$ " ignition blades: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022 and .025.

**IGNITION GAUGE—NO. 862** . . . Contains twelve  $1\frac{1}{2}$ " x  $\frac{1}{2}$ " blades: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022 and .025.

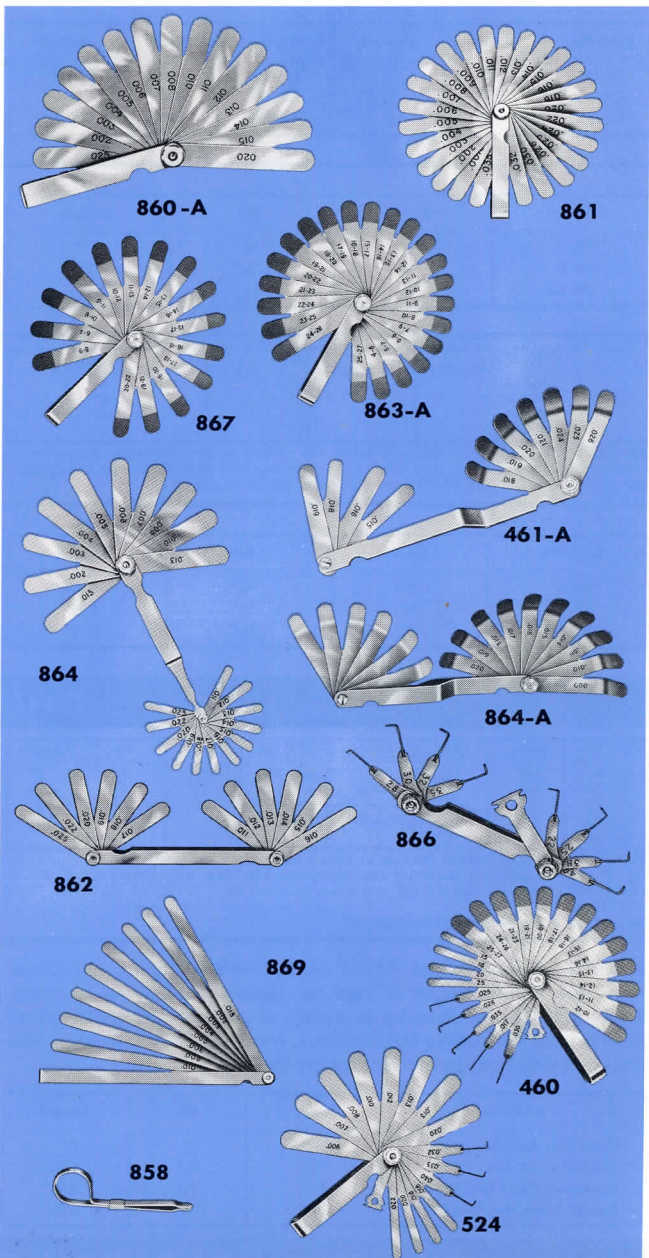
**SPARK PLUG WIRE GAUGE—NO. 866** . . . Contains one electrode bender and eight wire gauges: .022, .025, .028, .030, .032, .035, .038, and .040.

**PISTON GAUGE—NO. 869** . . . Contains eight  $9\frac{1}{2}$ " x  $\frac{1}{2}$ " blades: .002, .003, .004, .005, .006, .008, .010 and .015.

**FORD GAUGE—NO. 460** . . . Contains thirteen  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " step-ground Go-No-Go blades: .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021, .021-.023, .024-.026, .025-.027; four  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " ignition blades: .015, .016, .020, .025; three 90° offset wire blades: .025, .028, .035; two straight wire blades: .017, .030; and one electrode bending tool.

**CHEVROLET GAUGE—NO. 524** . . . Contains eight  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " blades: .006, .007, .008, .010, .012, .013, .015, .020; four  $3\frac{3}{8}$ " x  $\frac{1}{2}$ " ignition blades: .016, .018, .020, .022; three 90° offset wire blades: .032, .035, .040; and one electrode bending tool.

**SINGLE END STOCK HOLDER—NO. 858** . . . Any of the thinner sizes of feeler gauge stock will coil easily within the handle and pull out readily for use. Either standard blades, or any desired length of strip stock may be used.



## EXTRA FEELER GAUGE BLADES AND STRIPS

**$3\frac{3}{8}$ " x  $\frac{1}{2}$ " Blades**

OTC No.	Size	OTC No.	Size	OTC No.	Size
FB-001	.001	FB-011	.011	FB-023	.023
FB-0015	.0015	FB-012	.012	FB-024	.024
FB-002	.002	FB-013	.013	FB-025	.025
FB-003	.003	FB-014	.014	FB-026	.026
FB-004	.004	FB-015	.015	FB-027	.027
FB-005	.005	FB-016	.016	FB-028	.028
FB-006	.006	FB-017	.017	FB-029	.029
FB-007	.007	FB-018	.018	FB-030	.030
FB-008	.008	FB-019	.019	FB-032	.032
FB-009	.009	FB-020	.020	FB-035	.035
FB-010	.010	FB-021	.021	FB-040	.040
		FB-022	.022		

**$12\frac{1}{2}$ " x  $\frac{1}{2}$ " Strips**

OTC No.	Size	OTC No.	Size	OTC No.	Size
F-001	.001	F-011	.011	F-023	.023
F-0015	.0015	F-012	.012	F-024	.024
F-002	.002	F-013	.013	F-025	.025
F-003	.003	F-014	.014	F-026	.026
F-004	.004	F-015	.015	F-027	.027
F-005	.005	F-016	.016	F-028	.028
F-006	.006	F-017	.017	F-029	.029
F-007	.007	F-018	.018	F-030	.030
F-008	.008	F-019	.019	F-032	.032
F-009	.009	F-020	.020	F-035	.035
F-010	.010	F-021	.021	F-040	.040
		F-022	.022		





## GIANT ADJUSTABLE WRENCHES

Forged from high grade alloy steel; providing a thinner, stronger, lighter adjustable wrench. Two wrenches replace forty-two fixed size end wrenches from 1 3/8" to 4 3/4". An extra jaw is available with the OA-24 if desired. When ordering, use No. OA-24B to get both jaws.\*

OTC No.	Size Range	Sizes in Following Increments of an Inch	Length	Head Thickness	Wt. (lbs.)
OA-24	1 3/8" to 2 7/8"	1/8"	24"	7/8"	10
OA-24B	*1 3/8" to 2 7/8"	1/8"	24"	7/8"	14
OA-36	2 15/16" to 4 3/4"	1/8"	36"	1 1/8"	22



Slim-Twins

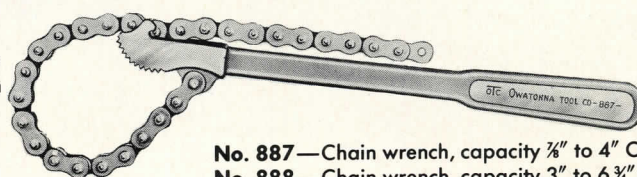
Fed. Spec: GGG-W-631a

OA-24

OA-36

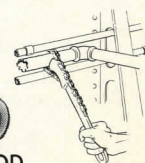
## CHAIN WRENCHES

Work that is normally hard to grip with a pipe wrench or some other standard wrench is a snap with an OTC chain wrench. The unique ratcheting action makes it possible to re-grip the work without removing the wrench. Works equally well on round, hexagonal, octagonal, square material or on pipe and conduit.



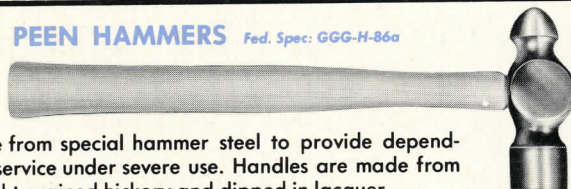
No. 887—Chain wrench, capacity 7/8" to 4" OD.

No. 888—Chain wrench, capacity 3" to 6 3/4" OD.



## BALL PEEN HAMMERS Fed. Spec: GGG-H-86a

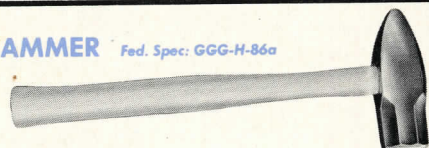
Made from special hammer steel to provide dependable service under severe use. Handles are made from straight grained hickory and dipped in lacquer.



OTC No.	Weight	Length	OTC No.	Weight	Length
BP-2	2 Oz.	8 1/2"	BP-20	1 1/4 Lbs.	12 1/2"
BP-4	4 Oz.	10"	BP-24	1 1/2 Lbs.	14"
BP-8	8 Oz.	11"	BP-32	2 Lbs.	15"
BP-12	12 Oz.	12"	BP-40	2 1/2 Lbs.	16"
BP-16	1 Lb.	14"	BP-48B	3 Lbs.	14 1/4"

## CROSS PEEN HAMMER Fed. Spec: GGG-H-86a

One size of cross-peen engineers hammer is available. It has a drop-forged head of special hammer steel, fully heat-treated and with a straight grained hickory handle dipped in lacquer.



One size of cross-peen engineers hammer is available. It has a drop-forged head of special hammer steel, fully heat-treated and with a straight grained hickory handle dipped in lacquer.

No. BP-48—Cross peen hammer, length 15", wt. 3 lbs.

## SCREW EXTRACTORS

Ideal for removing broken studs. Drill a hole in the broken stud and screw in the proper size extractor, indicated in table. Not guaranteed.



OTC No.	For Bolt Dia.	Use Drill Size	Drill Depth	Weight
870	3/8" and up	7/16"	5/16"	2 Oz.
871	1/2" to 5/8"	3/8"	5/16"	2 Oz.
872	7/16" to 1/2"	5/16"	1/4"	2 Oz.
873	3/8" to 7/16"	1/4"	1/4"	1 Oz.
874	5/16" to 3/8"	3/16"	3/16"	1 Oz.
875	1/4" to 5/16"	5/32"	3/16"	1 Oz.

No. 877-L—Set containing one each of the above tools in plastic kit.

## MIDGET HACK SAW

Will go into and operate in a 7/16" hole. Sturdily built. Complete with one blade.

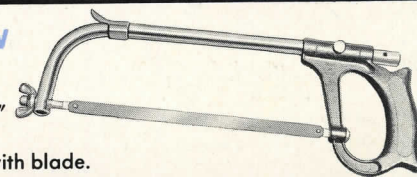
No. 819—Plastic handled midget hack saw, 10 1/2" long.



## RIGID HACK SAW

Sturdy, all steel frame. Adjustable for either 10" or 12" blades.

No. 820—Hack saw, with blade.



## COPPER TUBE FLARING, CUTTING AND BENDING TOOLS

## COPPER TUBING SERVICE KIT

Set is in a metal box and consists of copper tube flaring tool No. 835-S, copper tube cutter No. 837 and copper tube bending set No. 852.

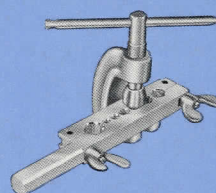
No. 854—Flaring, cutting and bending set in metal box No. 854-A.



## FLARING TOOL

Designed to make a single flare on copper tubing. Handles 3/8", 1/4", 3/16", 1/8", 1/16" and 1/32" tubing without crushing or damage. Not recommended for steel or heavy industrial tubing.

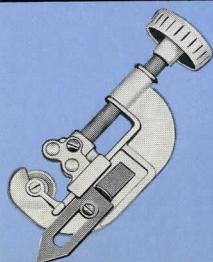
No. 835-S—Copper tube flaring tool.



## TUBE CUTTER

Knife-edged replaceable cutting wheel cuts copper tubing without bending or seriously burring. Handy reamer attachment slides out of the way while tool is being used as a cutter. Adjustable from 1/4" to 7/8".

No. 837—Copper tube cutter.

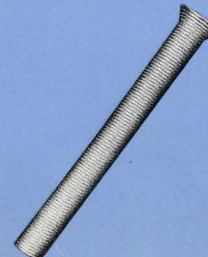


## TUBE BENDERS

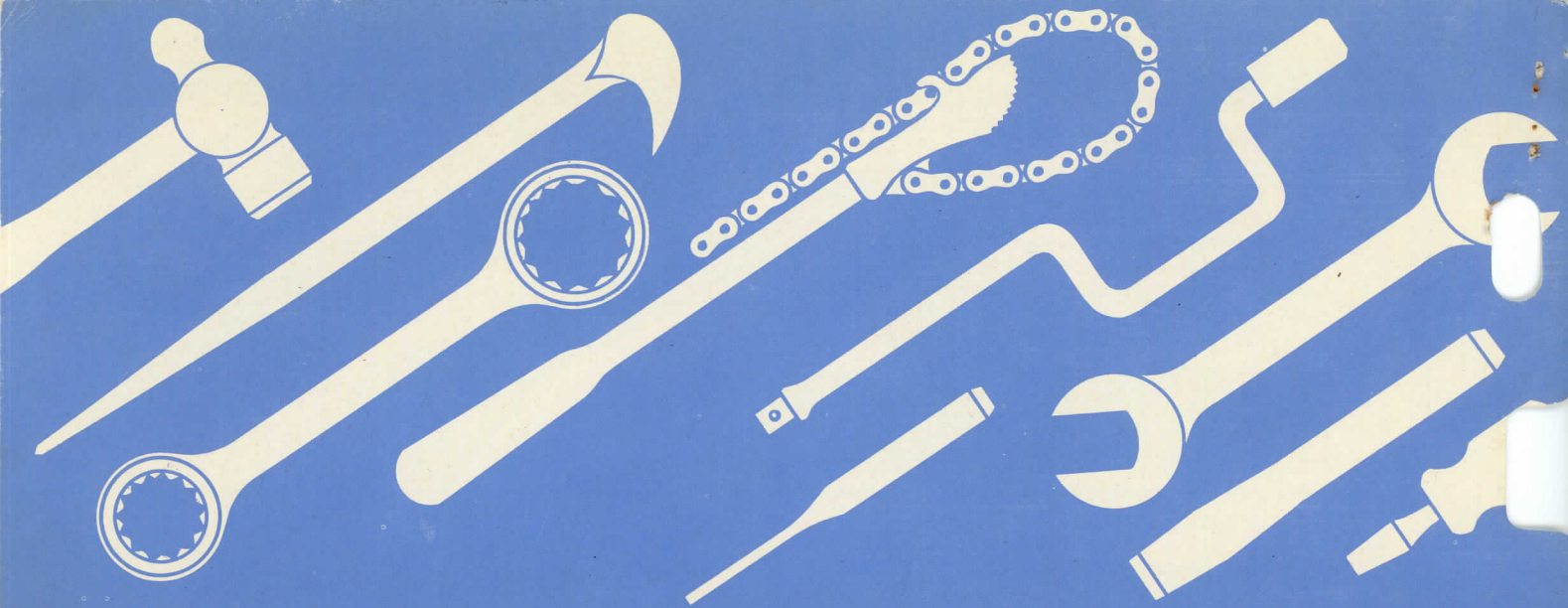
Flexible sleeves permit bending of soft copper tubing. No crimping or buckling.

No. 852—Set of six copper tube benders.

No. 852-A—Copper tube bender for 1/4" OD tubing.  
No. 852-B—Copper tube bender for 3/8" OD tubing.  
No. 852-C—Copper tube bender for 1/2" OD tubing.  
No. 852-D—Copper tube bender for 5/8" OD tubing.  
No. 852-E—Copper tube bender for 3/4" OD tubing.  
No. 852-F—Copper tube bender for 7/8" OD tubing.







## INDEX

DESCRIPTION	PAGE
<b>MECHANIC'S TOOL CHESTS</b>	
Portable chests .....	2
Roller cabinets .....	2
<b>SOCKETS</b>	
Socket handles and extensions .....	3
Sockets and adapters .....	4 & 5
Socket sets .....	6
<b>WRENCHES</b>	
Adjustable wrenches .....	10
Adjustable wrenches; giant .....	15
Box wrenches .....	9 & 10
Chain wrenches .....	15
Combination wrenches .....	8
Flare-nut wrenches .....	10
Flex wrenches .....	10
Ignition wrenches .....	8
Obstruction wrenches .....	8
Open-end wrenches .....	8
Set screw wrenches .....	10
Tapet wrenches .....	8
<b>SPECIAL TOOLS</b>	
Chisels .....	13
Cutters .....	11
Feeler gauges .....	14
Flaring tools .....	15
Hack saws .....	15
Hammers; ball and cross peen .....	15
Magnetic pick-up tools .....	12
Pliers .....	11
Pry bars .....	13
Punches .....	13
Screw drivers .....	12
Screw extractors .....	15
Screw starters .....	12
Tool sets .....	6 & 7

## GUARANTEE

OTC tools and equipment are guaranteed against defects in materials and workmanship. They are built to meet the exacting standards and requirements of professional maintenance men. Every tool manufactured and sold by this company found to be defective in either material or workmanship will be repaired or replaced. Any tool that has been abused, worn out, heated, ground or otherwise altered, or used for a purpose other than that for which it was intended, will not be covered by this guarantee. Final determination of defects must be made at our factory.

## INSPECTION

All OTC tools are thoroughly inspected before leaving our plant and each customer is assured of receiving a new tool of equal quality and design as that furnished to everyone else. There are no "seconds" in the OTC line and every tool must conform to rigid standards. We reserve the right to make changes in design or construction without obligation to incorporate such changes in tools previously sold.

## SERVICE

We offer service on OTC tools at any time during their life at a cost to the user covering only the material and labor necessary to put them in first class condition. Parts may be purchased to replace those lost or worn out. Consult the parts price lists for identification and prices on parts.

## WAREHOUSES

Complete stocks of OTC tools and equipment are maintained in strategic locations in the United States and Canada to provide OTC distributors and customers with the best possible service. Warehouses have been established so that 24 hour service may be rendered at all times. OTC strives to be just as close as your telephone . . . to give you friendly, prompt, dependable service.

## LITERATURE

OTC designs and disseminates comprehensive catalogs, price lists, parts lists, service bulletins, instruction-for-use booklets, special product brochures and advertising mailers and other helpful related material. Other aids such as floor and table displays, point-of-purchase items and wall display panel boards are also available.

In addition to this catalog, OTC also makes available a complete and separate catalog on general industrial maintenance equipment—PULLERS, HYDRAULIC RAMS AND PUMPS, HYDRAULIC SHOP PRESSES and special HEAVY DUTY WRENCHES and a complete and separate catalog on special mechanical and hydraulic maintenance equipment for CARS, TRUCKS AND TRACTORS. This helpful, informative literature is available upon request.

# OWATONNA TOOL COMPANY

OWATONNA, MINNESOTA, U. S. A.

EXPORT DEPARTMENT: OWATONNA, MINNESOTA

CABLE ADDRESS: TOOLCO

Litho in U.S.A.